

Commercial FEEDING STUFFS

1964 Report on Inspection

H. J. FISHER
Chief Chemist

Bulletin 675
September 1965



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E R R A T U M

COMMERCIAL FEEDING STUFFS
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Pages 57 and 59 have been transposed, with the result that the correct fat, fiber and medicant values for the Beacon Feeds and Berkman Grain Company samples listed on page 56 will be found on page 59, while the corresponding values for the Berkman, Blatchford, Bloomfield, Blue River, Brooklawn and Brown -Forman samples listed on page 58 will be found on page 57.

THE CONNECTICUT AGRICULTURAL
EXPERIMENT STATION

New Haven

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COMMERCIAL FEEDING STUFFS

REPORT ON INSPECTION

1964

H. J. FISHER¹

THE FEED LAW

The statute relating to concentrated commercial feeding stuffs (Chapter 428, General Statutes, Revision of 1958) imposes upon the Station: (1) all duties incidental to the annual registration of feeds offered for sale in the State, (2) the collection of samples for inspection and analysis; (3) the examination of all samples so collected; (4) the preparation and publication of a bulletin summarizing the results of inspection and giving other pertinent information; and (5) joint responsibility with the Food and Drug Commissioner for rules and regulations carrying out the provisions of the law. As a result of a general reorganization of State departments by the General Assembly in 1959, the Food and Drug Commission was abolished and its duties transferred to a new Department of Consumer Protection.

Section 22-116 of the 1959 Revision of the General Statutes delegates the enforcement provisions of the feed law to the Commissioner of Consumer Protection.

The following regulations were issued by the Director of this Station and the Food and Drug Commissioner in February, 1949:

REGULATIONS

REGULATION 1. FEEDS NOT CLASSIFIED AS CONCENTRATED COMMERCIAL FEEDING STUFFS (Sec. 22-112)

It is held that the law exempts from classification as concentrated commercial feeding stuffs, and therefore from registration: (1) roughages such as hays, straws, corn stover and ensilage; (2) whole grains and mixtures thereof; (3) meals made from whole grains when not mixed with other materials or with each other; (4) feed ground from whole grain and sold by the manufacturer directly to the consumer; and (5) feed mixed according to a formula furnished by the consumer, for his own use.

Under clause (2), above, registration will not be required for mixtures in which the ingredients, excepting corn, are whole grains. Corn, if present, may be whole or cracked.

¹ Analyses are by Mr. Richard Merwin, Mr. Werner Mueller, Mr. Charles Kahn and Miss Helen Kocab; biological assays under direction of Dr. Lester Hankin; microscopic examinations by Miss Lois Hornig; and sampling by Mr. R. Richard Nichols. Compilations are by Miss Maria Coppola.

Clause (4) refers to feed ground from materials furnished by the consumer.

Under clause (5) feed is regarded as "mixed to order" and must be so tagged together with the name of the customer for whom it is mixed, or otherwise identified to distinguish it from regular brands offered for general sale. Such feed must be sold only to the customer for whom it was mixed; if sold to others it becomes a regular brand and subject to registration and other provisions pertaining to feeds in general.

REGULATION 2. METHOD OF LABELLING (Sec. 22-113)

All concentrated commercial feeding stuffs, other than vitamin D carriers, must be labelled either by a statement printed on the bag or upon a properly attached tag; in the case of concentrated feeding stuffs sold in bulk, a certificate which shall contain the information otherwise required to appear upon the bag or upon the tag, may be issued by the dealer in lieu thereof.

The use of wire or any metal in affixing tags is prohibited by law.

The law requires a statement of (1) the net weight of the feed contained in the package; (2) the name, brand or trademark, under which the feed is sold; (3) name and address of the manufacturer or importer; (4) the minimum percentages of (a) crude protein and (b) crude fat, and the maximum percentage of (c) crude fiber contained in the feed; (5) the separate ingredients of which the feed is composed.

While the law requires only a statement of the items enumerated above, no objection will be raised to more complete statements of chemical composition or formula.

REGULATION 3. CONCERNING VITAMIN D CARRIERS

Vitamin D carriers are required to be registered in the same manner and under the same conditions as obtain for feeds in general.

Information to be given on labels and in applications for registration is (1) name of product; (2) Vitamin D potency in terms of A.O.A.C. chick units per gram; (3) name and address of manufacturer, distributor or other person responsible for the product; and (4) on the label, a statement of net weight or volume.

The A.O.A.C. chick unit is the Vitamin D activity produced by one U.S. Pharmacopoeia unit of Vitamin D from the U.S.P. "Reference Cod Liver Oil", determined by the method of assay adopted by the Association of Official Agricultural Chemists.

REGULATION 4. CONCERNING COTTONSEED MEAL, ETC.

Cottonseed meal, linseed meal, soybean meal, and other vegetable feeds that are sold as fertilizer, are required to be registered under the provisions of the fertilizer law in addition to registration as feeds. If sold exclusively for one or the other of these purposes,

the articles may be registered only under the law which applies.

For such of these articles as are used for fertilizer purposes chiefly or entirely as sources of nitrogen, only nitrogen (or protein) need be declared in the application for registration as fertilizer; and the tag or labels generally attached to such articles when intended for feeding purposes will be acceptable for them when sold as fertilizer.

REGULATION 5. DUTIES OF MANUFACTURERS, JOBBERS AND DEALERS WITH REFERENCE TO REGISTRATION (Sec. 22-114)

All concentrated commercial feeding stuffs, including Vitamin D carriers, must be registered with the Connecticut Agricultural Experiment Station annually on January 1, or before they are offered for sale. Registration blank forms are supplied by the Station.

Manufacturers, jobbers, or individuals shipping feeds into Connecticut will be expected to register their brands and pay the necessary fees thereon. Connecticut dealers should assure themselves that the brands they handle are properly registered and labelled. In case the manufacturer or jobber outside the State neglects or refuses to register, the dealer who handles such feeds will be held responsible for such registration, registration fees and other legal requirements.

Dealers within the State who mix their own brands are responsible for the registration and proper labelling thereof.

REGULATION 6. DEFINITIONS OF TERMS USED IN THE LAW AND OF OTHER TERMS

Person. The term "person" imports the singular or plural as the case demands; and includes corporations, companies, societies and associations.

Importer. The term "importer" is defined in the act.

Brand. It is held that a distinct brand name, or a distinct analysis, constitutes a distinct brand.

Definitions for Feeding Stuffs. The definitions and standards for feeding stuffs adopted from time to time by the Association of American Feed Control Officials are accepted as official in carrying out the provisions of this law; and the rules and regulations as adopted by that association are accepted as far as possible and when not inconsistent with the Connecticut Statutes.

REGULATION 7. METHODS OF ANALYSIS (Sec. 22-113)

The methods of analysis employed shall be those prescribed by the Association of Official Agricultural Chemists, wherever such methods have been adopted for the determinations desired.

**REGULATION 8. CONCERNING MEDICATED FEEDS AND
MINERAL MIXTURES**

The law does not include medicated products used as "conditioners" for stock and poultry, and which consist essentially of substances possessing, or claimed to possess, medicinal or conditional properties nor does it include products consisting of supplemental minerals.

REGULATION 9. FEEDS IN DIFFERENT PHYSICAL FORMS

The same feed offered in different physical forms, e.g., mash and pellets, requires but one registration.

**REGULATION 10. REVISIONS AND SUBSTITUTIONS
OF REGISTRATIONS**

A feed registration after being filed may be revised without payment of an extra registration fee.

A brand of feed duly registered and subsequently discontinued may be replaced by another brand for the unexpired period of registration without payment of an extra registration fee.

REGISTRATIONS

For the period January 1, 1964 to December 31, 1964, 164 firms registered 1,071 brands of feeding stuffs, and 18 firms registered 42 brands of vitamin carriers.

ACME-EVANS CO., INC., Division of General Grain, Inc., 902 W. Washington Ave., Indianapolis, Indiana

Acme Hominy Feed

Acme Wheat Bran

Acme Wheat Middlings with Ground Wheat Screenings

AGWAY, INC., Feed Division, P.O. Box 128, 560 Delaware Ave., Buffalo, New York 14240

(See also Vitamin Carriers)

Alfapels (15% Protein Dehydrated Pelleted Alfalfa Meal)

Appiwhey

Booster Bits Medicated

Bre-Bits-Medicated

Bre-Bits (A) Medicated

Broiler Finisher-Medicated

Broiler Finisher (W) Medicated

Broiler Starter-Medicated

Broiler Starter (W) Medicated

Bro-Mix (B) Medicated

Bulky

Cage Bits (A) Medicated

Calf Grower

Calf Grow-ettes

Calf Starter

Cashmaker-Medicated

Cashmaker 17 (A) Medicated

Champion

Chik Starter (A) Medicated

Chik Starter (B) Medicated

Choice

Class Leader

Compact 16 Pellets ESM

Corn Gluten Feed

Dairypels 16

Dari-Krunch

DFE

Dehulled Solvent Extracted Soybean Meal

Drought Aid Sixty 14

Drought Aid Sixty 16

Drought Feed 16

Drought Forage Extender

Drought Grain Mix

Drought Grain Mix A

Drought Grain Mix B

Early Bird (Pre-Starter) Medicated

AGWAY, INC. -Cont.

Egg Producer 21
Egg Producer 21-(A) Medicated
Es-Cage Bits
Es-Cage Bits (A) Medicated
Es-Gro-Bits (A) Medicated
Es-Lay Bits (A) Medicated
Exchange Champ
Fifty-Mix
Floor and Cage Layer
Fulpail
Game & Turkey Grower
Game & Turkey Starter
Glen-Haven Demand Horse Feed
Gro-Bits-Medicated
Gro-Bits (A) Medicated
Gro-Bits-WM-Medicated
Hi-Egg Mixer
Highland 16 Pellets
30% Hi-Pro Concentrate
Hog Feed
Hog Supplement
Hominy Feed
Ket-A-Way Medicated
Lay-Bits Medicated
Lay-Bits (A) Medicated
Lay Mix Medicated
Lay-Mix (A) Medicated
Lipamone Roaster 1/2-Medicated
Market Bits
Matchmaker Medicated
Medicated Defender
Medicated Lacto-Life
Medicated Minuteman
Medicated Minuteman-SQ
Medicated-Sentinel
Medicated-Turkey Starter F
Milkerpels 14
Milkerpels 16
Milkerpels 16-WA-Medicated
Milkerpels 20
1500-20 Milkerpels ESM
1550-14 Milkerpels
Milk Maker 16
Milkmore
Milkmore 16 ESM
Milksaver
Minuteman Medicated
20% Mixer Krums ESM
32% Mixer Krums
40% Mixer Krums ESM
Pacemaker Medicated
Pacemaker Starter (A) Medicated
Pacemaker Starter (B) Medicated

AGWAY, INC. -Cont.

Pacemaker Starter (M) Medicated
Pel-22 Medicated
Pel-Gro-Medicated
Pel-Lay Medicated
1600-16 Pellets
Pork Builder
Pork Finisher Mix
Pork Gainer-Medicated (3.0% Fiber)
Pork Gainer-Medicated (4.0% Fiber)
Porkmix
38% Pork Mix
Pork Primer-Medicated (Pellets)
Poultry Wormer
Protek A-Medicated
Protek-A Bits Medicated
Protek F-Medicated
Protek F-Bits Medicated
Protek H-Medicated
Pullet Grower 20 (A) Medicated
Rabbettes-Medicated
Red Tag-Medicated
Roaster Finisher-Medicated
Roaster Finisher (W) Medicated
Sentinel Bits Medicated
Sixty Mixer
Sow & Pig Feed
Sow & Pig Supplement
Squealer Medicated
Sted-A-Milk
Super Exchange Dairy
Super Fit-N-Fresh
Super Test Feed
Supmix
Sweepstakes
Tastibulk
Trim
Turkey Breeder
Turkey Finisher
Turkey Finisher-C-Medicated
Turkey Finisher (S) Medicated
Turkey Grower
Turkey Grower-C-Medicated
Turkey Grower (S) Medicated
Turkey Starter (B) Medicated
Turkey Starter (F) Medicated
Veal-N-Gro Medicated
Wheat Middlings

ALEBERS MILLING CO., (A Division of Carnation Co.), 5045
Wilshire Blvd., Los Angeles 36, California

Albers Calf Manna
Albers Rabbit Breeder Paks

ALBERS MILLING CO. -Cont.

Albers Rabbit Family Ration
Albers Rapid-Ade Medicated
Albers Sho-Glo
Albers Spur
Albers Suckle-Medicated
Albers Veal Glo

ALLIED MILLS, INC., 110 North Wacker Drive, Chicago 6, Illinois

Wayne Rabbit Ration

AMERICAN CRYSTAL SUGAR CO., (Boston Bldg.), Denver 1, Colo.

Dried Beet Pulp with Beet Molasses
Plain Dried Beet Pulp

AMERICAN CYANAMID CO., P.O. Box 400, Princeton, N. J.

(See also Vitamin Carriers)

ARZENE
AUREOMYCIN Chlortetracycline Crumbles
CYPPIP Diethylcarbamazine
Cyrea Urea Feed Compound
CYREA-45 Urea Feed Compound
CYZINE 10% (2-acetylamine-5-nitrothiazole)
MEGASUL 25% Nitrophenide
Nitrophenide 20

AMERICAN FEED CO., W. 177 Street & Harlem River, New York 53,
New York

AFCO Brand Dried Bakery Product

AMERICAN MAIZE-PRODUCTS CO., 250 Park Avenue, New York,
New York 10017

Amaizo Corn Gluten Meal 60
Amaizo Gluten Meal
Cream of Corn Gluten Feed

ARCHER-DANIELS-MIDLAND CO., P.O. Box 532, Minneapolis,
Minnesota 55440

ADM Soybean Meal 44% Protein Solvent Extracted
ADM Soybean Meal 50% Protein Dehulled Solvent Extracted

ATLANTIC PROCESSING CO., Amagansett, New York

Smith's Life Line Fish Meal

BARBER & BENNETT, INC., Arch & Church Streets, Albany 1, N.Y.

Fort Orange Golden Test Ration
Fort Orange Green Roughage
Fort Orange Hi-Cal 16 Test Pellets
Fort Orange Milk Replacer
Fort Orange Special Test Ration
Fort Orange 16% Test Ration

BAY STATE MILLING COMPANY, Chester Street, Clifton, N.J.

Clifton Flour middlings
Clifton Wheat Bran

BEACON FEEDS, Beacon Division of Textron, Inc., Cayuga, N.Y.

Beacon Balancer Pellets
Beacon Breeder All-Mash A Medicated
Beacon Breeder Mate
Beacon Brisk
Beacon Broiler Finisher APP Medicated
Beacon Calf Grow
Beacon Chinchilla Pellets
Beacon "15" Coarse Test Cow Ration
Beacon Complete Rabbit Pellets
Beacon Complete Starter AP Medicated
Beacon Dairy Fitting
Beacon 0.007% Dienestrol Diacetate Mix in Beacon Poultry
Finisher
Beacon Duck Breeder
Beacon Egg Mate A Medicated
Beacon Grain Mate
Beacon Grower All Mash
Beacon Hi-Energy "14" Test Pel-ets
Beacon Hi-Energy "16" Test Pel-ets
Beacon Hi-Energy "18" Test Pel-ets
Beacon Hi-Pro Duck Grower Finisher
Beacon Hi-Pro Duck Starter
Beacon Lacto-Pels "16"
Beacon Market Egg All-Mash A Medicated
Beacon Medicated Poultry Mix 2 CT
Beacon Medicated Rumentrol
Beacon Milk Check Coarse "16"
Beacon Milk Check Coarse "18"
Beacon Milky Way "16" Pel-ets
Beacon Pig-Gro Medicated
Beacon Poultry Fitting
Beacon Prof-ets "16"
Beacon Starter-Broiler APP Medicated
Beacon Tally Ho Horse Feed
Beacon "16" Test Cow Ration
Beacon "18" Test Cow Ration
Beacon Turkey Fattener All-Mash
Beacon Turkey Finisher All-Mash
Beacon Turkey Finisher All-Mash C Medicated

BEACON FEEDS, Beacon Division of Textron, Inc. -Cont.

Beacon Turkey and Game Bird Breeder All-Mash
Beacon "20" Turkey and Game Bird Grower
Beacon "20" Turkey Grower C Medicated
Beacon Turkey Starter AP Medicated
Beacon Turkey Starter SQA Medicated
Be-Co Grower
Be-Co AP Medicated
Be-Co-Lass
Be-Co-Nurse Milk Replacer
Pro-pel "16" Dairy

BEACON FEED SERVICE, Uxbridge, Massachusetts

Beacon "16" Dairy Ration
Beacon Drought Emergency Corn and Oats Mixture
Beacon Egg Mate
Beacon Keep Sweet Silage Preservative
SNE Succulent

THE BERKMAN GRAIN CO., North Franklin, Connecticut

Nibco 18% Dairy Ration
Nibco Fitting Ration
Nibco Five Star Breeder
Nibco Five Star Light Breeder
Nibco Special Five Star Lo Color (Protein 16.0%)
Nibco Special Five Star Lo Color (Protein 18.0%)
Nibco Five Star Roaster (Nicarbazin 0.010%)
Nibco Five Star Roaster (Dienestrol Diacetate 0.007%;
 Nicarbazin 0.010%)
Nibco Five Star Roaster (Dienestrol Diacetate 0.023%;
 Nicarbazin 0.010%)
Nibco Five Star Super Starter
Nibco Five Star Weight Maker
Nibco Five Star Weight Maker (Nicarbazin 0.010%)
Nibco Five Star Weight Maker (Nicarbazin 0.010%;
 Dienestrol Diacetate 0.0023%)
Nibco High Energy Layer
Nibco High Energy Laying & Growing Mash
Nibco Medicated Booster Feed
Nibco Pullet Builder
Nibco Pullet Starter

THE BLOOMFIELD FARMERS' EXCHANGE, INC., Bloomfield,
Connecticut

Bloomfield 16% Dairy Ration

BLUE RIVER FEED MILLS, INC., Edinburg, Indiana

Horse Honey

BROOKLAWN GRAIN & FEED CO., 321 Sylvan Ave., Bridgeport,
Connecticut

Brooklawn 16% Dairy Ration
Brooklawn High Energy Layer

BROWN-FORMAN DISTILLERS CORP., Louisville, Kentucky

Brown-Forman Corn Distillers Dried Grains
Brown-Forman Corn Distillers Solubles

BUCKEYE CELLULOSE CORP., 301 E. 6th St., Cincinnati, Ohio

Buckeye 41% Protein Solvent Extracted Cottonseed Meal
(with added Hydrolyzed Cottonseed Oil)

BURNETT'S FOODS, INC., 3247 Laconia Ave., Bronx, N.Y.

Burnett's Hamster Food
Burnett's Hamster Treat

CAMDEN GRAIN CO., 1709 Kossuth St., Camden, N.J.

Camden Brand Brewers Dried Grains

CANADIAN SUGAR FACTORIES LTD., Taber and Picture Butte,
Alberta, Canada

Registered by Mowat, Wilson & Co., Detroit 35, Mich.

C.F.S. Alberta Pulp Dried Molasses Beet Pulp

THE A. B. CAPLE CO., Toledo, Ohio

17% Capex Dehydrated Alfalfa Meal

CARGILL, INCORPORATED, Cargill Bldg., Minneapolis 15, Minn.

Cargill, Incorporated 32% Protein Solvent Extracted
Linseed Meal
Cargill, Incorporated 44% Protein Solvent Extracted
Soybean Meal
Cargill, Incorporated 50% Protein Solvent Extracted
Dehulled Soybean Meal

CARLING BREWING CO., 9400 Quincy Ave., Cleveland, Ohio

Carling Brewers Dried Grains

CENTRAL CONN. CO-OP FARMERS' ASSOCIATION, INC., 10
Apel Place, Manchester, Connecticut

Honest Brand Aureomycin Mix 100 Grams Mash
Honest Brand Aureomycin Mix Medicated 200 Grams
Honest Brand Caged Layer Ration Mash Pellets or Crumbles

CENTRAL CONN. CO-OP FARMERS' ASSOCIATION, INC. -Cont.

Honest Brand Complete Breeder Mash
Honest Brand Complete Ration High Energy Growing Mash
Honest Brand Complete Ration High Energy Growing Mash-Medicated
Honest Brand Complete Ration High Energy Growing Mash-Sulfaquinoxaline Mixture
Honest Brand Complete Ration High Energy Laying Mash
Honest Brand Complete Ration High Energy Laying Mash-Pellets and/or Crumbles Medicated (Furazolidone)
Honest Brand High Energy Complete Ration Laying Mash-Medicated
Honest Brand Light Breed Formula Complete Ration High Energy Laying Mash
Honest Brand Medicated Poultry Feed (N F 180)
Honest Brand Nu Lay Layer Ration
Honest Brand Nu Lay Layer Ration Mash Pellets and/or Crumbles Medicated (Furazolidone)
Honest Brand Nu Weigh-Hi Broiler Finisher Mash
Honest Brand Nu Weigh-Hi Broiler Mash Medicated
Honest Brand Nu Weigh-Hi Starter Mash-Medicated (Nihydrazone)
Honest Brand Nu Weigh-Hi Starter Mash-Medicated (Sulfaquinoxaline)
Honest Brand Triple Mix Medicated

CHELSEA MILLING CO., North St., Chelsea, Michigan

Chelsea Wheat middlings

CENTRAL SOYA, McMillen Feed Division, Ft. Wayne, Indiana

0.0116% Dienestrol Diacetate Mix Incorporated In Master Mix Broiler Finisher Concentrate 375C-71P Med. Forty-Four; 44% Solvent Extracted Soybean Meal
Master Mix 18% All Mash Turkey Grower 421
Master Mix 18% All Mash Turkey Grower 421-06E Med.
Master Mix Blended Fifty-675
Master Mix Broiler Finisher Concentrate 375C
Master Mix Broiler Starter Concentrate 351-18A Medicated
Master Mix Broiler Starter 307-18C Medicated
Master Mix Calflac Medicated
Master Mix Calf Mixer-559
Master Mix Chick Concentrate 153
Master Mix Chick Concentrate 153-04G Medicated
Master Mix Complete Rabbit Pellets 961-84E Medicated
Master Mix Complete Turkey Finisher 445 (Pellets)
Master Mix Complete Turkey Finisher 445-06E Medicated
Master Mix Dairy Blender-652
Master Mix 38% Dairy Concentrate 671
Master Mix Eastern Big "M" Dairy Feed 622
Master Mix Egg Concentrate 263
Master Mix Egglac Pellets 223
Master Mix Egg Mash 211

CENTRAL SOYA, McMillen Feed Division -Cont.

Master Mix H. C. Breeder Concentrate 087
Master Mix Hi-Production 16% Dairy 627
Master Mix Hi-Production 16% Draught Feed-627A
Master Mix Hog Finisher Concentrate 889
Master Mix Horse Feed 967
Master Mix Horse and Pony Pellets 964
Master Mix HQ 16% Dairy 618
Master Mix HQ 20% Dairy 633
Master Mix HQ 16% Draught Feed 618E
Master Mix HQ Master Blend Concentrate 667
Master Mix Medicated Cattle BIO 50-350 Pellets (718-03K)
Master Mix Pacemaker - 962
Master Mix Pig and Sow Feed 827-01A
Master Mix Poult Starter 401-83A Medicated
Master Mix Pullet Concentrate 163
Master Mix Pullet Concentrate 163-04H Medicated
Master Mix Ruma-Bulk 646
Master Mix Sweet Bulk 'N Flakes 648
Master Mix Sweet 16% Dairy 620
Soybran Registered Trademark of FLAKED SOYBEAN HULLS
Thrifty-Fifty 50% Solvent Extracted Dehulled Soybean Meal

S. J. CHERRY & SONS, LTD., Preston, Ontario, Canada

Wheat Bran

CIBA PHARMACEUTICAL CO., Division of CIBA Corporation,
556 Morris Ave., Summit, New Jersey

Serpasil^R Reserpine Premix CIBA-Medicated

CLINTON CORN PROCESSING CO., a Division of Standard Brands
Incorporated, Box 340, Clinton, Iowa 52733

(See also Vitamin Carriers)

Clinton CFS Concentrate No. 1
Clinton 21% Protein Corn Gluten Feed
Clinton 41% Protein Corn Gluten Meal

CONN. BI-PRODUCTS, INC., Hop River Road, Columbia, Conn.

Hydrolyzed Poultry Feathers
Meat and Bone Meal
Poultry By-Product Meal

CONSOLIDATED RENDERING CO., 178 Atlantic Ave., Boston 10,
Massachusetts

CORENCO 47% Meat & Bone Scrap
CORENCO 48% Meat & Bone Scrap
CORENCO 50% Meat & Bone Scrap

CONTINENTAL DISTILLING CORPORATION, 1429 Walnut St.,
Philadelphia 2, Pennsylvania

Prograsol Corn Distillers Dried Grains with Solubles

COOPERATIVE GRANGE LEAGUE FEDERATION EXCHANGE,
INC., Mills Division, Port of Albany, Albany, New York

Bloomfield 16% Dairy Ration
Bloomfield Hominy Mix
Hominy Feed

CORN PRODUCTS CO., 717 Fifth Ave., New York 22, New York

Buffalo Brand 21% Corn Gluten Feed
Diamond Brand 41% Corn Gluten Meal

COUNTRY BEST FOODS, Agway, Inc., Terrace Hill, Ithaca, N.Y.

Big Red Rabbit Food Pellets

DARI-DRI COMPANY, Div. of Milk Specialties, Dundee, Illinois

Dari-Dri Baby Calf Formula

DAWNWOOD FARMS, Wassaic, New York

(See also Vitamin Carriers)

Dawnwood Farms Caf-Star
Dawnwood Farms HI-FAT CAF-STAR

DCA FOOD INDUSTRIES, INC., Ellicott City, Maryland

Domaco Pure Winter Wheat Bran
Domaco Wheat Middlings

DELAWARE MILLING CO., INC., Deposit, New York

(D) Delaware Rabbit Pellets
(D) Delaware Scratch Grains
Eastern Connecticut Grain Associates Growing Mash Med.
Middlesex All-Mash Layer
Warren's C & C Complete Laying Mash
Warren's Dairy Pellets U
Warren's 16% Test Ration

DELPHOS SOYA PRODUCTS CO., Delphos, Ohio

44% Protein Soybean Meal

DERBY FEED STORE, 176 Main Street, Derby, Connecticut

Litsky's Hi-Energy All Mash Grower
Litsky's Hi-Energy All Mash Layer

DERBY FEED STORE -Cont.

Litsky's Hi-Energy Layer
Litsky's Hi-Energy Starter-Broiler
Litsky's Sweet 16% Dairy Ration

DOW BREWERY LIMITED, 990 Notre Dame St. West, Montreal,
Quebec, Canada

Brewer's Dried Grains

E. I. duPONT deNEMOURS & COMPANY, Wilmington, Del. 19898

DU PONT TWO-SIXTY-TWO Feed Compound

DUQUESNE BREWING CO. of PITTSBURG, So. 22nd & Mary
Streets, Pittsburgh, Pennsylvania

Bulk Brewers Dried Grains

ELMORE MILLING CO., INC., 52 Main Street, Oneonta, N. Y.

Elmore Bulky Base
Elmore Bull Feed
Elmore Calf Grain Ration
Elmore Chixsaver
Elmore's Complete Calf Milk Replacer
Elmore Complete Growing Mash
Elmore Complete Growing Ration Medicated (IZ)
Elmore Complete Laying Mash
Elmore Complete Market Egg Mash
Elmore Complete Rabbit Ration Pellets
Elmore Complete Turkey Growing Mash
Elmore Complete Turkey Growing Mash Medicated (IH)
Elmore Dry & Freshening Ration
Elmore Economy 16% Dairy
Elmore Egg Mash
Elmore Fitting Ration 14%
Elmore Flaked Pelleted Calf Starter
Elmore Game Bird Breeder Mash
Elmore Game Bird Grower
Elmore Game Bird Grower Medicated (1S)
Elmore Game Bird Starter Medicated (1S)
Elmore Grand Champion Ration
Elmore Hog Ration
Elmore Horse Feed
Elmore Maximilk Ration 16%
Elmore Medicated Mash
Elmore Milk Grains "Sixteen"
Elmore Milk Grains "Twenty"
Elmore Pacemaker 16% Dairy Ration
Elmore Pacemaker Dairy Ration 18%
Elmore Pacemaker Horse Pellets
Elmore Poultry and Turkey Fitting Ration
Elmore Roughage Extender

ELMORE MILLING CO., INC. -Cont.

Elmore Special Dairy 16%
Elmore Test Ration 16%
Elmore Test Ration 18%
Elmore Turkey Finisher (Fattener)
Elmore Turkey Growing Mash Medicated (1H)
Elmore Turkey Starter Mash (or Crumbles) Medicated NF
180

JOHN W. ESHelman & SONS, 244 N. Queen St., Lancaster, Penn.

Dehulled Solvent Extracted Soybean Meal
Dehydrated Alfalfa Meal (17%)
Egg Maker
Lancaster 16 Dairy Feed
Lancaster 20 Dairy Feed
Lancaster Horse Pellets
Lancaster Scratch Grains
Lancaster Sweet Mix
Pennsy 16 Dairy Feed
Pennsy Laying Mash
Red Rose Breeder Supplement
Red Rose Calf Grower
Red Rose Calf Starter
Red Rose Chick Grains
Red Rose Chick Starter Medicated (110-E)
Red Rose Complete Breeder Ration
Red Rose Complete Game Bird Grower
Red Rose Complete Growing Ration
Red Rose Complete Laying Ration
Red Rose Complete Turkey Finisher
Red Rose Complete Turkey Finisher Medicated (313-C)
Red Rose Complete Turkey Grower
Red Rose Complete Turkey Grower Medicated (312-C)
Red Rose 16 Dairy Feed
Red Rose 18 Dairy Feed
Red Rose Duck Grower & Breeder (Pelleted)
Red Rose Equinader
Red Rose Fitting Ration
Red Rose Goat Ration
Red Rose Growing Mash
Red Rose Horse Feed
Red Rose Intermediate Chick Grains
Red Rose Laying Mash
Red Rose Medicated T - C Feed
Red Rose Milk Replacer
Red Rose Pigeon Feed
Red Rose Porkmaker
Red Rose Rabbit Pellets
Red Rose Rabbit Pellets Medicated (710. B)
Red Rose Rumenator (Dairy Booster)
Red Rose Scratch Grains
Red Rose Show Horse Feed
Red Rose Starter & Grower

JOHN W. ESHELMAN & SONS -Cont.

Red Rose 14 Test-Cow Feed
Red Rose Turkey & Poultry Fitting Feed
Red Rose Turkey Starter
Solvent Extracted 41% Cottonseed Meal
S-O-S

EVANS MILLING COMPANY, INC., 1730 W. Michigan Street,
Indianapolis, Indiana

Emco Hominy Feed

FARM BUREAU ASSOCIATION, 158 Lexington St., Waltham, Mass.

Farm Bureau Advancer
Farm Bureau Advancer Dairy 16% Pellets
Farm Bureau Chick Starter W/Amprolium
Farm Bureau Complete Developer Mash W/Amprolium
Farm Bureau Complete Layer Breeder Mash, Medicated
Farm Bureau Controlled Energy Complete Producer
Farm Bureau Dairy 16%
Farm Bureau Dairy 20%
Farm Bureau Rabbit Pellets
Rabbit Food Pellets Medicated with .025% Sulfaquinoxaline

FARMERS FEED COMPANY, 375 Johnson Avenue, Brooklyn, N.Y.

"Bull Brand" Brewers Dried Grains

FEED SERVICE CORPORATION, Box 270, Crete, Nebraska

MOREA Liquid Feed Pre-Mix M-87.5R7

FOREMOST DAIRIES, INC., Industrial Div., 1870 El Camino Real,
Burlingame, California

Peebles M-N-C

FRUEN MILLING COMPANY, Traffic Station Box 3172, Minneapolis,
Minnesota 55403

Fruen's All-Purpose Thrift Pellets

GENERAL FOODS CORPORATION, 1551 East Willow St., Kankakee,
Illinois

Burt's Hominy Feed

GENERAL MILLS, INC., Minneapolis, Minnesota

General Mills Inc. Adrian Wheat Red Dog
General Mills Inc. Wheat Bran with Ground Wheat Screenings
General Mills Inc. Wheat middlings with Ground Wheat
Screenings

GENERAL MILLS, INC. -Cont.

Purity Oat Mill By-Product

GLOUCESTER BY-PRODUCTS, INC., State Fish Pier, Gloucester,
Massachusetts

Globpro Brand 60% Protein Fish Meal

GOLDEN GEM GROWERS, INC., Umatilla, Florida

Golden Gems Sweet Dried Citrus Pulp

GOLDENROD OIL MEAL SALES CO., Box 152, Memphis 1, Tenn.

Goldenrod Brand 41% Protein Cottonseed Meal-Prime Quality

W. R. GRACE & CO., Nitrogen Products Division, 147 Jefferson
Ave., Memphis 3, Tennessee

Grace Micro Prilled Urea Feed Compound

THE GREAT ATLANTIC and PACIFIC TEA CO., 817-512 Nicollet
Bldg., Minneapolis, Minnesota

Daily Egg Laying Mash

GREAT STAR FLOUR MILLS LIMITED, St. Marys, Ontario,
CanadaGreat Star Wheat Bran
Great Star Wheat Shorts

HALES & HUNTER CO., 141 W. Jackson Blvd., Chicago, Illinois

Pioneer Calf Starter
Pioneer 16 Dairy Pellets
Pioneer Dry and Freshening
Pioneer 14 High Energy Dairy
Pioneer Horse Feed
Pioneer 14 Milker
Pioneer 16 Milker
Pioneer 20 Milker
Pioneer 30 Milker Mixer
Pioneer 16 Milker Pellets
Pioneer 16 Pelleted-Flaked Dairy
Pioneer Production Dairy 16
Pioneer Rabbit Pellets Medicated
Pioneer Sup-Pel Dairy Supplement Pellets
Pioneer Vig-R-Calf Medicated Milk Replacer
Red Comb Broiler Finisher 0207 Medicated
Red Comb Broiler Starter Medicated
Red Comb Broiler Starter 0207 Medicated
Red Comb Chick Starter
Red Comb Chick Starter Medicated

HALES & HUNTER CO. -Cont.

Red Comb Complete Broiler-Type Breeder
Red Comb Complete Egg-Type Breeder
Red Comb Complete Grower Medicated
Red Comb Complete Layer 15 Medicated
Red Comb Complete Layer 16 Medicated
Red Comb Complete Turkey Breeder
Red Comb Growing Mash Medicated
Red Comb-Pioneer Wormer
Red Comb Pullet Developer
Red Comb Roaster Ration
Red Comb Scratch Feed
Red Comb Sup-Pel Medicated Poultry Supplement
Red Comb Turkey Finisher 14
Red Comb Turkey Finisher 17
Red Comb Turkey Grower 20
Red Comb Turkey Grower 23
Red Comb Turkey Starter
Red Comb Turkey Starter Medicated

HAYWARD, INC., Oak Harbor, Ohio

Alfalfa Meal

HI-ACRES CONCENTRATE, INC., P.O. Box 7127, Orlando, Fla.

Hi-Acres All Sweet Dried Citrus Pulp

HOLLY SUGAR CORP., Colorado Springs, Colorado

Dried Beet Pulp and Beet Molasses

H. P. HOOD & SONS, INC., Dunedin, Florida

Hood Citrus Pulp

H. P. HOOD & SONS, INC., 500 Rutherford Ave., Boston 29, Mass.

(See also Vitamin Carriers)

Hood Milk Replacer
Hood Poultry Feed-Pep-Lac
Hood Whey-Lac Poultry Feed
Powdered Skim Milk

E. C. & W. L. HOPKINS, INC., Greenfield, New Hampshire

Granite State Rabbit Pellets

GEO. A. HORMEL & COMPANY, Austin, Minnesota

Hormel 75% Dried Meat Solubles

THE HUBINGER COMPANY, Keokuk, Iowa

Ke OK uk Brand Corn Gluten Meal
Ke OK uk Brand 21% Protein Corn Gluten Feed

ILLINOIS CEREAL MILLS, INC., Paris, Illinois

Hominy Feed

INDUSTRIAL MOLASSES CORPORATION, 321 Fort Lee Road,
Leonia, New Jersey

Dried Beet Pulp

INTERNATIONAL MILLING COMPANY, 1200 Investors Building,
Minneapolis, Minnesota 55415

Blackhawk Wheat Bran with Ground Mixed Screenings
Blackhawk Wheat middlings with Ground Mixed Screenings

INTERNATIONAL MINERALS & CHEMICAL CORP., Old Orchard
Road, Skokie, Illinois

(See also Vitamin Carriers)

DUO-fos

HERMAN ISACS, INC., Bridgeport, Connecticut

Hi Test Meat & Bone Meal

JACCO INDUSTRIES, LTD., 459 No. Boyle, P.O. Box 4772,
St. Louis, Missouri 63108

Boost (Brewers Dried Yeast)

I. S. JOSEPH COMPANY, INC., Minneapolis, Minnesota

Dried Beet Pulp

KELLOGG CO. of CANADA LIMITED, P.O. Box 2517, London,
Ontario, Canada

Hominy Feed

KELLOGG SALES CO., 235 Porter St., Battle Creek, Michigan

1003 Kellogg's Mink Conditioner
1009 Kellogg's Kel-Blend

SPENCER KELLOGG, Division of Textron Inc., 120 Delaware Ave.
Buffalo, New York 14240

Spencer Kellogg's 31% Protein Old Process (Expeller)
Linseed Meal

KEYSTONE DEHYDRATORS, Box 204, Nazareth, Pennsylvania

Keystone Super Green Dehydrated Alfalfa Meals with
Ethoxyquin (Protein 17.0%; Fat 2.0%; Fiber 27.0%)
Keystone Super Green Dehydrated Alfalfa Meals with
Ethoxyquin (Protein 20.0%; Fat 2.5%; Fiber 20.0%)

KRAFT FOODS, (Div. National Dairy Prod Corp.), 99 Park Ave.,
New York 16, New York

(See also Vitamin Carriers)

KAFF-A Feed Booster Pellets for Heifers, Cows, Beef
Cattle, Lambs and Sheep
KAFF-A Milk Replacer for Calves Medicated
KRACO Naturally Sweet Dried Whole Whey
Pace Feed Booster Pellets for Horses, Ponies & Colts
PEX Condensed for Poultry
PEX Feed Booster Pellets for Layers & Breeders
PEX Self Feeder Block for Poultry
PEX Self Feeder Green Whey Block for Chicks & Poult
PEX Self Feeder Whey Block for Chickens & Turkeys

KRAUSE MILLING COMPANY, 404 E. State St., Milwaukee 1, Wis.

Badger Yellow Hominy Feed

KUDER PULP SALES CO., Box 1208, Lake Alfred, Florida 33850

Kuder Dried Citrus Pulp, High Sugar

LAKE STATES YEAST & CHEMICAL DIVISION of ST. REGIS
PAPER CO., 603 W. Davenport St., Rhinelander, Wisconsin

Dried Torula Yeast

LAUHOFF GRAIN CO., 321 East North St., Danville, Illinois

43% Protein Expeller Soybean Cake
Vermilion Hominy Feed

THE LIBNER GRAIN CO., 25 Commerce St., Norwalk, Connecticut

Libner's Blue Ribbon Horse & Calf Ration

MAK MOR CORP., P.O. Box 123, Clinton, Massachusetts

MOREA^R M-30 (Liquid Feed Supplement for Ruminants Only)

THE MANITOBA SUGAR CO., LTD., Winnipeg, Manitoba, Canada

Registered by Mowat, Wilson & Co., Detroit 35, Michigan

Plain Dried Beet Pulp

MAXON MILLS, INC., Wassaic, New York

Maxon 16% Dairy
Maxon 20% Dairy
Maxon 14% Fitting
Maxon 16% Test
Maxon 18% Test

MAYFLOWER MILLS, 931 Leesburg Road, Fort Wayne,
Indiana 46801

Mayflower Pure Wheat Bran
Mayflower Wheat middlings with Ground Wheat Screenings
not exceeding Mill Run

McCABE GRAIN COMPANY LIMITED, 409 Exchange Bldg.,
Winnipeg 2, Manitoba, Canada

Ground Mixed Screenings

THE MENNEL MILLING CO., 128 West Crocker St., Fostoria,
Ohio

Memo Pure Wheat Bran
Memo Wheat middlings with Ground Wheat Screenings

MERCK & CO., INC., Chemical Division, Rahway, New Jersey

(See also Vitamin Carriers)

AMPROL 25%
AMPROL PLUS
GLYCAMIDE 12%
Improved Premix - Medicated

MILK SPECIALTIES, INC., Washington & Illinois Street, Dundee,
Illinois

(See also Vitamin Carriers)

Dari-Dri Veal Formula

MINER-HILLARD MILLING CO., Wilkes-Barre, Pennsylvania

Choice Steam Cooked Hominy Feed

MINUTE MAID COMPANY, Citrus Products Sales, P.O. Box 2711,
Orlando, Florida

Golden Isle Brand Citrus Pulp

MOLSON'S BREWERY (ONTARIO) LIMITED, 640 Fleet St. West,
Toronto, Ontario, Canada

Dried Brewers' Spent Grains

GEO. Q. MOON & CO., INC., Binghamton, New York

Moon N. E. Complete Growing Mash
Moon N. E. Complete Laying Mash
Moon Rabbit Pellets
Moon Scratch Feed
Moon U. S. 20% Dairy Ration

JAS. F. MORSE & CO., 11 Horace St., Somerville, Massachusetts

Morse's 47% Meat & Bone Meal

MOUNT VERNON MILLING COMPANY, Mt. Vernon, Indiana

Sunlite Hominy Feed

MOWAT, WILSON & CO., 15325 W. 7 Mile Rd., Detroit 35, Mich.

Dried Beet Pulp
Dried Beet Pulp and Beet Molasses

NAPPANEE MILLING CO., INC., 301 South Jackson St., Nappanee,
Indiana

Hominy Feed

NATIONAL ALFALFA DEHYDRATING & MILLING CO., Lamar,
Colorado

Jack Rabbit 15% Protein Dehydrated Alfalfa Meal

NATIONAL ALFALFA DEHYDRATING & MILLING CO., 4010
Washington St., Kansas City, Missouri 64111

Krumbles

National 15% Protein Dehydrated Alfalfa Meal Ethoxyquin
Added as a Preservative

National 17% Protein Dehydrated Alfalfa Meal Ethoxyquin
Added as a Preservative

National 18% Protein Dehydrated Alfalfa Meal Ethoxyquin
Added as a Preservative

NATIONAL BISCUIT CO., Toledo Mill, 2221 Front St., Toledo, Ohio

Namico
Pure Wheat Bran

NATIONAL DISTILLERS PRODUCTS COMPANY, Division of
National Distillers & Chemical Corp., 120 Section Rd.,
Cincinnati, Ohio 45216

Corn Distillers Dried Grains

Nadrisol Brand Corn Distillers Dried Solubles

Produlac Brand Corn Distillers Dried Solubles with Grains

NORTHERN OHIO SUGAR CO., 1530 Sixteenth St., Denver, Col.

GW Dried Beet Pulp

OGDEN GRAIN COMPANY, Utica, New York

Conn. 16% Dairy Ration

Eastern Conn. Grain Associates Growing Mash

Eastern Conn. Grain Associates Growing Mash Medicated

Eastern Conn. Grain Associates RECYCLER No. 2

14% Grain Ration

H. Stollman Chick Starter Mash Medicated

Ogden C. L. Special 15

Ogden C. L. Special 16

Ogden Complete Chick Starter Medicated

Ogden Complete Layer Medicated

Ogden Davis Dairy Pellets

Ogden Developer Feed

Ogden Doc 16% Dairy

Ogden Doc 20% Dairy

Ogden 20% Growing Feed

Ogden Hi Energy Laying Medicated

Ogden 16% Hi-Kal Dairy Pellets

Ogden 18% Hi-Kal Dairy Pellets

Ogden Hi Value Complete Layer

Ogden Horse Feed

Ogden Life Span 15

Ogden Medicated Complete Calf Starter

Ogden Premium Dry and Freshening Ration

Ogden Premium 16 Hi-Energy Dairy Pellets

Ogden Premium 20% Milk Ration

Ogden Premium 16 Pel-Flake

Ogden Premium Test Cow 16

Ogden Premium Test Cow 18

Ogden Rabbit Pellets

Ogden Reliable 15 Pel-Flake

Ogden R S 10 Roughage Supplement

Ogden Scratch Grains

Ogden Super Hi Energy Laying

Ogden Super Pig Ration

THE OGILVIE FLOUR MILLS CO., LTD., 1960 Sun Life Bldg.,
Montreal, Canada

Ogilvie Wheat Bran

PACIFIC MOLASSES COMPANY, 215 Market Street, San Francisco,
California

Cane Molasses

PARRISH & HEIMBECKER LTD., 43 Scott Street, Toronto, Ontario,
Canada

"Parrheim" Pure Wheat Shorts

PASCO PACKING CO., P.O. Box 97, Dade City, Florida 33525

O-Mi-O Citrus Pulp
Sugar Sweet Citrus Pulp

PENICK & FORD LTD., INC., Cedar Rapids, Iowa

21% Protein Douglas Corn Gluten Feed

JOHN J. PEPIN & COMPANY, 314 Cotton Exchange Bldg.,
Memphis, Tennessee 38114

"Lovit Brand" 41% Protein Cottonseed Meal Prime Quality

CHAS. PFIZER & CO., INC., 235 East 42nd St., New York, N.Y.

(See also Vitamin Carriers)

Vigofac-6

PIERCE GRAIN CORPORATION, 1040 Seneca Street, Buffalo,
New York 14210

Reliance Coarse Calf Meal
Reliance Horse Feed Fortified
Sweet Sweet Mix

PILLSBURY CANADA LTD., Midland, Ontario, Canada

Dandy Wheat Bran

THE PILLSBURY CO., Minneapolis 2, Minnesota

Pillsbury's XX Daisy (Wheat Red Dog)
Pillsbury's Wheat Bran with Ground Wheat Screenings
Pillsbury's Wheat Germ Meal
Pillsbury's Wheat middlings with Ground Wheat Screenings

PITTSBURGH BREWING CO., 3340 Liberty Ave., Pittsburgh,
Pennsylvania 15201

Iron City Brewers Dried Grains

PUPPLICKER INDUSTRIES INC., 1429 Walnut St., Philadelphia 2,
Pennsylvania

Prograsol - Corn Distillers Grains With Solubles

THE QUAKER OATS CO., Merchandise Mart Plaza, Chicago 54, Ill.

Ful-O-Pep Calf Sup
Ful-O-Pep Milk Replacer for Calves
Muffets Shredded Wheat Feed
Vim Oat Hulls
Vim Oat Mill By-Product

THE QUAKER OATS CO., Chicago -Cont.

White Hominy Feed-S
Yellow Hominy Feed-S

QUAKER OATS CO. of CANADA LTD., Peterborough, Ontario,
Canada

Hominy Feed

THE QUAKER OATS CO., P.O. Box 46, Shiremanstown, Penn.

Ful-O-Pep Complete Horse Feed
Ful-O-Pep Derwood Horse Crunch

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Missouri

(See also Vitamin Carriers)

Crimped Whole Oats and Molasses
Northeastern Scratch Feed
34% Protein (Solvent Process) Linseed Oil Meal
50% Protein Dehulled Solvent Extracted Soybean Meal
44% Protein Solvent Extracted Soybean Meal
Purina B & M Cow Chow
Purina Breeder Eggona NE
Purina Broiler Chow Medicated
Purina Broiler Chow MP Medicated
Purina Broiler Chow Finisher 1 Medicated
Purina Broiler Chow Finisher No. 1 MP Medicated
Purina Broiler Chow Finisher No. 2
Purina Broiler Chow Starter Medicated
Purina Broiler Chow Starter MP Medicated
Purina Bulky Las
Purina Calf Startena
Purina Calf Startena (Coarse)
Purina Capena MP Medicated
Purina Chek-R-Furan (Furazolidone Mixture) H-1157 Med.
Purina Chek-R-Mycin Etts TM (Chlortetracycline Hydrochloride) H 1244
Purina Chick Chow (Coarse)
Purina Chick Chow (Fine)
Purina Chick Growena
Purina Chick Growena ZO Medicated
Purina Chick Grower P
Purina Chick Startena
Purina Chick Startena J
Purina Chick Starter (J) ZO Medicated
Purina Chick Startena (J) ZO-V Medicated
Purina Chick Startena ZO-V Medicated
Purina Chick Starter P
Purina Complete Sow Chow
Purina Cow Chow Concentrate 36%
Purina Cow Chow D 16%
Purina Cow Chow D (B) 16%

RALSTON PURINA CO. - Cont.

Purina Cow Chow D 20%
Purina Cow Chow D (B) 20%
Purina D & F Chow
Purina D & F Chow (Coarse)
Purina Dairy Chow L 14% (Coarse)
Purina Dairy Chow L 16%
Purina .0023% Dienestrol Diacetate Mixture in Purina
Roaster Chow NC - Medicated
Purina Drouth Milk Chow
Purina Duck Growena
Purina Duck Startena
Purina Egg Chow T
Purina Eggena NE
Purina Game Bird Breeder Layena (Complete Ration)
Purina Game Bird F & M Chow
Purina Game Bird Startena SQ Medicated
Purina Goat Chow (Coarse)
Purina Goat Chow Checkers
Purina Hen Chow D
Purina Hog Finisher No. 1 Medicated
Purina Horse Chow Checkers
Purina Layena
Purina Layena CF
Purina Medicated Breeder Eggena (NE) Hx2
Purina Medicated Breeder Eggena (NE) FZ No. 4
Purina Medicated Chek-R-Aid
Purina Medicated Mix-R-Mycin
Purina Medicated Mix-R-Mycin Concentrate
Purina Medicated Pig Startena
Purina Medicated Poultry Aid
Purina Milk Chow D 16%
Purina Milk Chow D 16% (Coarse)
Purina Milk Chow D 20%
Purina Milk Chow D (U) 16%
Purina Milk Chow D (U) 16% (Coarse)
Purina Milk Chow D 20% (Coarse)
Purina (BIR) TM Milking Chow D No. 2
Purina Mink Breeder Chow
Purina Mink Cereal
Purina Mink Developer Cereal
Purina Mink Developer Chow
Purina Mink Developer Chow SF
Purina Mink Developer Concentrate
Purina Neomycin Feed Mix.
Purina Nursing Chow - Medicated
Purina Omolene
Purina Pig Growena Medicated
Purina Pigeon Chow Checkers
Purina Poultry Wormer Concentrate for Chickens and
Turkeys
Purina Pro-Lay Eggena
Purina 36% Protein Cottonseed Meal
Purina Pullet Developer B

RALSTON PURINA CO. -Cont.

Purina Pullet Developer F
Purina Pullet Developer (F) ZO Medicated
Purina Rabbit Chow Checkers
Purina Rabbit Chow Checkers (20%)
Purina Rabbit Chow Checkers FZ SQ Medicated
Purina Range Checkers A
Purina Roaster Chow
Purina Roaster Chow F
Purina Silage Preserver D
Purina Turkey Finisher No. 1
Purina Turkey Finisher No. 2
Purina Turkey Finisher No. 2 HZ Medicated
Purina Turkey Growena No. 1
Purina Turkey Growena No. 2
Purina Turkey Growena No. 2 HS Medicated
Purina Turkey Growena No. 2 MP Medicated
Purina Turkey Startena
Soybean Hulls
Soybean Mill Run
Wheat Middlings

READING MILLING CO., INC., Reading, Pennsylvania

Faramel 16% All Mash Layer
Faramel Complete Rabbit Pellets

RELIABLE GRAIN CO., 176 Westfield Ave., Ansonia, Connecticut

Reliable Sweet 16% Dairy

RELIANCE CHEMICALS CORPORATION, 12405 Sowden Road,
Houston, Texas

B-Pol, A Dried Crude Culture of Live B. megatherium

RIVERSIDE OIL MILL, Marks, Mississippi

Expello Brand 41% Protein Cottonseed Meal or Cake

ROHLOFF BROS., INC., RR, Graytown, Ohio

Rohloff's Dehydrated Alfalfa Meal With Animal Fat

WOLF SAVITSKY & SONS, INC., Foot of White St., Shelton, Conn.

Wolf's Calf Starter
Wolf's Complete Hi-Eff Egg Breeder Mash
Wolf's Complete Hi-Eff Egg-Breeder Mash Medicated
Wolf's Complete Hi-Eff Growing Mash
Wolf's Complete Hi-Eff Profit Builder-Medicated
Wolf's Complete Hi-Eff Profit Builder-Medicated
(SQ 0.0175%)
Wolf's 16% Dairy Pellets

WOLF SAVITSKY & SONS, INC. -Cont.

Wolf's 14% Dairy Ration
Wolf's 16% Dairy Ration
Wolf's Dry & Freshening Ration
Wolf's Heifer Feed
Wolf's Hi-Speed Starter & Broiler Ration - Medicated
Wolf's Horse Feed
Wolf's Medicated Complete Hi-Eff Profit Builder
(Furazolidone 0.011%)
Wolf's Medicated Complete Hi-Eff Profit Builder
(Chlortetracycline 0.100 gm/lb.)
Wolf's Medicated Poultry Booster
Wolf's Pig & Hog Feed
Wolf's 16% Test Ration
Wolf's 18% Test Ration

SCHENLEY DISTILLERS, INC., 1290 Avenue of the Americas,
New York, New York

Schenley Mark of Merit Corn Distillers Dried Grains
with Solubles
Schenley Mark of Merit Milo Distillers Dried Grains
with Solubles
Schenley's Soludri Corn Distillers Dried Solubles

SCHOENECK FARMS, INC., Nazareth, Pennsylvania

Schoeneck's 17% Super-Green Dehydrated Alfalfa Meal

SEA-BORN MINERAL DIV. of SKOD CO., P.O. Box 465, 15 E.
Elm St., Greenwich, Connecticut

Algite Norwegian Kelp Meal
Sea Born Norwegian Seaweed Meal-Special Fine Grind

SEYMOUR GRAIN & COAL CO., 100 Main Street, Seymour,
Connecticut

Miracle 14% Calf Grower
Miracle Dairy 16%
Miracle Hi-Efficiency Grower
Miracle Hi-Energy All Mash Layer
Miracle Horse Feed With Molasses
Miracle 20% Laying Mash
See-More-Milk Dairy Ration (Protein 18.0%; Fat 3.50%;
Fiber 8.50%)
See-More-Milk Dairy Ration (Protein 20.0%; Fat 3.0%;
Fiber 9.50%)

SHERWIN-WILLIAMS CO., 101 Prospect Ave., N.W., Cleveland,
Ohio

Sherwin-Williams 32% Linseed Meal (Solvent Extracted)

SHERWOOD FEED MILLS, INC., 801 Eastern Ave., Baltimore, Md.

Brewer's Dried Grains

SOUTHERN FRUIT DISTRIBUTORS, INC., P.O. Box 8367,
Orlando, Florida

Bluebird Citrus Pulp

A. E. STALEY MFG. CO., Decatur, Illinois

Hi-Pro-Con 50% Protein Dehulled Solvent Extracted Soybean
Meal

44% Protein Solvent Extracted Staley's Soybean Meal

Staley's 21% Corn Gluten Feed

Staley SWEETLIX Block

Staley Sweetlix A Block

Sweetone Cane Molasses Dried on Soybean Millrun

F. W. STOCK & SONS, INC., Hillsdale, Michigan

Stock's Wheat Bran

Stock's Wheat Middlings

SUNI-CITRUS PRODUCTS CO., Haines City, Florida

Registered by Cocke & Co., Atlanta, Georgia 30303

Sweet Suni-Citrus Pulp

SWIFT & CO., P.O. Box 110, Fostoria, Ohio

Swift's 44% Protein Solvent Extracted Soybean Meal

Swift's Super Soy - 50% Protein Solvent Extracted Soybean
Meal

T. H. TAYLOR CO., LTD., 14 William St. N., Chatham, Ontario,
Canada

Beaver Wheat Bran

TEKLAD, INC., P.O. Box 348, Monmouth, Illinois

ROCKLAND Guinea Pig Diet

ROCKLAND Rabbit Ration

TRI ASSOCIATES, INC., 8500 Pillsbury Ave. So., Minneapolis,
Minnesota

Tri's Grade A Brand Milk Replacer - Medicated

ULTRA-LIFE LABORATORIES, INC., 3500 Walnut Ave. at
Southern RR Tracks, East St. Louis, Illinois

17% Dehydrated Alfalfa Meal Pellets

ULTRA-LIFE LABORATORIES, INC. -Cont.

41% Protein Solvent Extracted Cottonseed Meal
32% Protein Solvent Extracted Linseed Meal
Ultra-Life Broiler-Gro
Ultra-Life Calf Food Pellets Medicated
Ultra-Life High Energy Poultry
Ultra-Life Layer Recycler
Ultra-Life Livestock

**UNITED CO-OPERATIVE FARMERS, INC., 339 Broad Street,
Fitchburg, Massachusetts**

UCF Calf Grower
UCF 14% Dairy
UCF 16% Dairy
UCF 20% Dairy
UCF NRG All Mash Breeder
UCF Hi NRG All Mash Breeder
UCF Hi NRG All Mash Grower (Protein 15.5%)
UCF Hi NRG All Mash Grower (Protein 16.0%)
UCF Hi NRG All Mash Grower Medicated
UCF Hi NRG All Mash Layer (Protein 15.5%; Fat 4.0%;
Fiber 4.0%)
UCF Hi NRG All Mash Layer (Protein 16.0%; Fat 4.5%;
Fiber 3.5%)
UCF Hi NRG Lay Granules (Protein 15.5%; Fat 4.0%;
Fiber 4.0%)
UCF Hi NRG Lay Granules (Protein 16.0%; Fat 4.5%;
Fiber 3.5%)
UCF Hi NRG Starter (Medicated)
UCF Horse Feed
UCF Layer
UCF Medicated Booster-200
UCF Medicated Booster NF 200
UCF Medicated HI-PO 200
UCF Milk Replacer
UCF Pig & Hog Feed
UCF Scratch Feed
UCF Sheep Creep Ration

UNITY FEEDS, Agway Inc., 560 Delaware Ave., Buffalo, N. Y. 14240

Breeder Mash
Rabbit Pellets
Turkey and Game Bird Growing Mash
Unity Feeds Broiler Maker Medicated (Ampronilum)
Unity Feeds Broiler Starter Medicated
Unity 16% Dairy Ration
Unity Dairy & Fitting Ration
Unity Growing & Laying Mash
Unity High Energy Breeder Mash
Unity High Energy Growing Mash
Unity High Energy Laying Mash
Unity Medicated Booster

UNITY FEEDS -Cont.

Unity Medicated Hen-Biotic
Unity 16% Milkets
Unity Pig & Hog Ration
Unity Feeds Producer
Unity Feeds Scratch Feed
Unity Super Starter Medicated (Nicarbazin)
Unity Feeds Trim (Medicated)
Unity Feeds Trim (Nicarbazin) Medicated
Unity Improved Calf Ration

GEORGE URBAN MILLING CO., 200 Urban St., Buffalo, N. Y. 14211

Wheat Middlings with Ground Screenings not exceeding Mill Run

WM. S. WARREN & SON, Eastford, Connecticut

Warren's Calf Milk Replacer
Warren's Complete Laying Mash
Warren's 16 Dairy Ration
Warren's 16% Test Ration

HIRAM WALKER & SONS, INC., Peoria, Illinois

Corn Distillers Dried Grains with Solubles

H. K. WEBSTER COMPANY, Lawrence, Massachusetts

Blue Seal Breeder-Cal
Blue Seal C-4 Broiler (Medicated)
Blue Seal C-5 Finisher Medicated Pellets
Blue Seal Calf Starter
Blue Seal Chick Starter (Medicated)
Blue Seal Coarse 16 Dairy Ration
Blue Seal Coarse 20 Dairy Ration
Blue Seal Complete Horse Ration
Blue Seal "30" Dairy Concentrate
Blue Seal 16% Dairy Mix
Blue Seal Egg Mash
Blue Seal Fat & Finish Ration Pellets
Blue Seal Fitting Ration
Blue Seal Grower-Cal
Blue Seal Grower-Cal ZL (Medicated)
Blue Seal Grow-Ettes
Blue Seal Grow-Ettes ZL (Medicated)
Blue Seal Hg Mix (Medicated)
Blue Seal Horse Feed
Blue Seal Layer-Cal
Blue Seal Lay-ettes
Blue Seal Medicated NF-Mix
Blue Seal Medicated NF-HI-Mix
Blue Seal Medicated Ruminaid
Blue Seal Milk Replacer

H. K. WEBSTER COMPANY -Cont.

Blue Seal Milkers' 16 Pellets
Blue Seal Milkers' 18 Pellets
Blue Seal Milkers' 20 Pellets
Blue Seal 16% Nuggets
Blue Seal Pig Feed Medicated
Blue Seal Poultry Wormer
Blue Seal Rabbit Pellets
Blue Seal Standard "14" Fitting Ration
Blue Seal Standard "16" Dairy Ration
Blue Seal Standard "20" Dairy Ration
Blue Seal Succulent Feed and Calving Ration
Blue Seal Sweet Pulp
Blue Seal Test Ration
Blue Seal Turkey Growing Pellets
Blue Seal Turkey Growing H S Medicated Pellets

WEST-NESBITT, INC., Oneonta, New York

"Beets-All" Horse Feed
Cream Line Dairy-Test Ration
Pure Feed Complete Grower
Pure Feed Complete Layer
Pure Feed Complete Rabbit Pellets
Pure Feed 16% Dairy Pellets
Pure Feed Egg and Breeder
Pure Feed Egg Maker
Pure Feed 14% Fitting Ration
Pure Feed Grower
Pure Feed Horse Ration
Pure Feed Starter
Pure Feed Starter Medicated
Pure Feed Sweet "16"
Pure Feed Turkey Finisher
Pure Feed Turkey Grower
Pure Feed Swine Ration
Pure Feed Turkey Starter Medicated Amprol
West-Nesbitt Milk Replacer

A. C. WETHERELL, Suffield, Connecticut

Special Dairy Mixture No. 3

WHITMOYER LABORATORIES, INC., Myerstown, Pennsylvania

(See also Vitamin Carriers)

Flav-A-Dee

THE GEO. WIEDEMANN BREWING CO., 601 Columbia St.,
Newport, Kentucky

Brewers Dried Grain

THE WILLIAMS BROS. CO., Kent, Ohio

Pure Ohio Wheat Bran

WILSON'S CORN PRODUCTS, INC., East 4th St., Rochester, Ind.

Wilson Hominy Feed

WINTER GARDEN CITRUS PRODUCTS COOPERATIVE, Winter Garden, Florida

Wholesun Dried Citrus Pulp

WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass.

(See also Vitamin Carriers)

Apex 16% Dairy Feed 587 E
Big W 16 Dairy Feed 552 F
Big W 20 Dairy Feed 554 F
Big Y Veal Formula
Hominy Feed
O.P.M. Scratch 467 T
Wirthmore Baby Chick Scratch 463 A
Wirthmore 36% Breeder Concentrate 294 A
Wirthmore Breeder Mash 274A
Wirthmore Calf Starter 572 A
Wirthmore Chick Starter 101 A
Wirthmore Chick Starter SQ 103 A
Wirthmore Chick Starter 104 A-Medicated
Wirthmore Coarse Test Dairy Feed 518 A
Wirthmore Coccidiosis Treatment Ration 415 A
Wirthmore Commercial Hi-Ener-G Breeder Med. 261 B
Wirthmore Complete Breeder Ration 264 A
Wirthmore Complete Growing Ration 205 A
Wirthmore Complete Growing Ration 206 A-Medicated
Wirthmore Complete Turkey Breeder Ration 371 A
Wirthmore Complete Turkey Fattening Ration 361 A
Wirthmore Complete Turkey Fattening Ration 362 A-Med.
Wirthmore Complete Turkey Growing Ration 341 A
Wirthmore Complete Turkey Growing Ration 342 A-Med.
Wirthmore 32 Dairy Concentrate 569 A
Wirthmore 36% Dairy Mixing Feed 564 A
Wirthmore .007% Dienestrol Diacetate Mixture in Wirthmore Finisher Medicated 185 A
Wirthmore Duck Growing 452 A
Wirthmore Fodder Greens 581 A
Wirthmore Game Bird Grower Ration 322 A
Wirthmore Game Bird Starter 313 A Medicated
Wirthmore Grow & Egg Mash 245 A
Wirthmore Grow & Egg Mash 250 A-Medicated
Wirthmore Hi-Cal Broiler Finisher 147 A Medicated
Wirthmore Hi-Cal Broiler Starter 124 A Medicated
Wirthmore 14 Hi-Cal Pellets Dairy Feed 531 A
Wirthmore 16 Hi-Cal Pellets Dairy Feed 532 A

WIRTHMORE FEEDS INC. -Cont.

Wirthmore 18 Hi-Cal Pellets Dairy Feed 533 A
Wirthmore Hi-Cal Roaster Finisher 178 A Medicated
Wirthmore Hi-Ener-G 16 220 A
Wirthmore Hi-Ener-G 17 237 A
Wirthmore Hi-Ener-G Breeder-Medicated 261 A
Wirthmore Hi-Ener-G Broiler Ration 140 A
Wirthmore Hi-Ener-G Broiler Ration 141 A Medicated
Wirthmore Hi-Ener-G 16 Layer-Medicated 231 A
Wirthmore Hi-Ener-G 17 Layer-Medicated 238 A
Wirthmore Hog Grower 722 A
Wirthmore Horse Feed 811 A
Wirthmore Horse Perkies 817 A
Wirthmore Meatless Mink Food 842 A
Wirthmore Medicated Ketrol 576 A
Wirthmore Medicated Quick Perk 412 A
Wirthmore Medicated Quickies 423 A
Wirthmore Medicated Treat 414 A
Wirthmore Medicated Turk-E-Perk 314 A
Wirthmore Milk Mizer 517 A
Wirthmore Mink Food 841 A
Wirthmore New Hope Complete Horse Feed 813 A
Wirthmore Original New Hope Horse Feed 815 A
Wirthmore Pig and Sow Feed 721 A
Wirthmore Pig Starter-Medicated 711 A
Wirthmore 36% Poultry Concentrate 291 A
Wirthmore Poultry Fitting 418 A
Wirthmore Poultry Wormer 416 A
Wirthmore 14 Pro-Cal Dairy Feed 536 A
Wirthmore 16 Pro-Cal Dairy Feed 538 A
Wirthmore 20 Pro-Cal Dairy Feed 539 A
Wirthmore Pullet Developer 202 A
Wirthmore Rabbit Pellets 831 A
Wirthmore Rabbit Pellets 832 A Medicated
Wirthmore 14 Record Dairy Feed 517 A
Wirthmore 16 Record Dairy Feed 512 A
Wirthmore 20 Record Dairy Feed 519 A
Wirthmore 14 Record Fitting and Calving Feed 516 A
Wirthmore Scratch 461 A
Wirthmore Stable Mate Complete Horse Feed 816 A
Wirthmore Stock Primer 616 A
Wirthmore Super Pellets 411 A
Wirthmore 16 Test Dairy Feed 514 A
Wirthmore Turkey Growing Ration 321 A
Wirthmore Turkey Growing Ration 323 A-Medicated
Wirthmore Turkey Starter A 315 A Medicated
Wirthmore Twin Mix Calf Feed 573 A
Wirthmore 16 Ultra-Cal Pellets Dairy Feed 537 A

THE YANTIC GRAIN & PRODUCTS CO., 3 Cove St., Norwich, Conn.

Big (Y) Caged Layer Ration
Big (Y) Calf and Beef Ration
Big (Y) Calving Ration

THE YANTIC GRAIN & PRODUCTS CO. -Cont.

Big (Y) Cavalier Horse Feed
 Big (Y) Chick Scratch Grain
 Big (Y) Chlortetracycline Mixture (Aureomycin)
 Big (Y) Complete Calf Starter and Builder
 Big (Y) Complete Grower Layer Mash
 Big (Y) Confinement Growing Mash
 Big (Y) Controlled Growing Ration
 Big (Y) Chlortetracycline (Aureomycin) Mixture
 Big (Y) Dairy & Fitting Ration
 Big (Y) 16% Dairy Ration
 Big (Y) 18% Dairy Ration
 Big (Y) 20% Dairy Ration
 Big (Y) Dairy Ration Purity 14
 Big (Y) Dairy Ration Purity 16
 Big (Y) Dairy Supplement 32%
 Big (Y) Extra Production Laying Mash
 Big (Y) Hi-Efficiency Breeder Ration
 Big (Y) Hi-G-Dairy Ration
 Big (Y) Hi-G-Dairy Ration 20%
 Big (Y) Hi-G Scratch Feed
 Big (Y) High Efficiency Grower
 Big (Y) Hog & Pig Ration
 Big (Y) Horse Feed
 Big (Y) Improved Al-Mo
 Big (Y) Improved Broiler Finisher Medicated (Amprolium)
 Big (Y) Improved Broiler Ration (Medicated)
 Big (Y) Intermediate Chick Grain
 Big (Y) 20% Laying Mash
 Big (Y) M and O Growing Feed
 Big (Y) Peerless Broiler Ration (Medicated)
 Big (Y) Producto Pels
 Big (Y) Purity Dairy Ration
 Big (Y) Rabbit Pellets
 Big (Y) Scratch Feed
 Big (Y) Sheep and Goat Feed
 Big (Y) Super Starter-Broiler Ration
 Big (Y) Super Starter Ration Medicated
 Big (Y) Test Cow Ration
 Big (Y) Turkey Fattener
 Big (Y) Turkey Growing Feed

MEYER ZAUSNER INC., New Holland, Lancaster County, Penn.

Zausner Condensed Whole Whey

VITAMIN CARRIERS

AGWAY, INC., Feed Division, P.O. Box 128, 560 Delaware Ave.,
Buffalo, New York 14240

(See also Feeds)

Calf Saver Tablets

CLINTON CORN PROCESSING CO., a Division of Standard Brands Incorporated, Box 340, Clinton, Iowa 52733

(See also Feeds)

Fleischmann's FIDY Type 142-F Irradiated Dry Yeast

COMMERCIAL SOLVENTS CORPORATION, Terre Haute, Indiana

Perma-D 3 D₃
Perma-Dual 30 A

Perma-E 20 E

Perma-Mix C. C. C. No. 1

Perma-Mix C. C. C. No. 2

Perma-Mix C. C. C. No. 3

Perma-Mix C. C. C. No. 4 Broilers

Perma-Mix Turkey Premix No. 5

Perma-Mix Turkey Pre-Mix No. 6

Premix 2-4-9-10

Pro-Strep and Vitamin A Premix

DAWNWOOD FARMS, Wassaic, New York

(See also Feeds)

Dawnwood Farms Caf-Star

Dawnwood Farms HI-FAT CAF-STAR

JOHN G. EWING COMPANY, La Salle, Colorado

Formula 707 Conditioner

THE RAY EWING CO., Div. of Hoffmann-LaRoche, Inc., 2690 E. Foothill Blvd., Pasadena, California

All Mash Pre Mix

THE FOX COMPANY, Newfield, New Jersey

Foxco Qualadee 300-D-2250-A Quality Vitamin A&D Oil

H. P. HOOD & SONS, INC., 500 Rutherford Ave., Boston 29, Mass.

(See also Feeds)

Hood Poultry Feed-Pep-Lac

Hood Whey-Lac Poultry Feed

INTERNATIONAL MINERALS & CHEMICAL CORP., Old Orchard Road, Skokie, Illinois

(See also Feeds)

Vitamin B₁₂ Supplement

INTERNATIONAL STOCK FOOD CORPORATION, 533 Broad St.,
Waverly, New York

Rumen Bacteria and Nux Vomica Mix Incorporated in I. S. F.
Cattle Special

Rumen Bacteria Mix Incorporated in I. S. F. Grow-Em Milk
Replacer

KRAFT FOODS (Div. National Dairy Prod Corp.), 99 Park Ave.,
New York 16, New York

(See also Feeds)

KAFF-A Feed Booster Pellets for Heifers, Cows, Beef
Cattle, Lambs and Sheep

KAFF-A Milk Replacer for Calves Medicated

Pace Feed Booster Pellets for Horses, Ponies, & Colts
PEX Condensed for Poultry

PEX Feed Booster Pellets for Layers & Breeders

PEX Self Feeder Block for Poultry

MERCK & CO., INC., Chemical Division, Rahway, New Jersey

(See also Feeds)

Improved Premix - Medicated
No. 659 Vitamin Mixture

MILK SPECIALTIES, INC., Washington & Illinois St., Dundee, Ill.

(See also Feeds)

Dari-Dri Veal Formula

MYZON LABORATORIES, 6320 Kansas Ave., Kansas City, Kansas

Myzon Poultry Builder

NOPCO CHEMICAL CO., 60 Park Place, Newark, New Jersey

Nopdex "3000"

Nopco-Pak Hi-Lay Premix

Nopco-Pak Super Premix

CHAS. PFIZER & CO., INC., 235 East 42nd St., New York, N.Y.

(See also Feeds)

Yantic High Lay Premix

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Missouri

(See also Feeds)

Purina Cattle-Plus TM

RALSTON PURINA CO. -Cont.

Purina Horse-PlusTM

WHITMOYER LABORATORIES, INC., Myerstown, Pennsylvania

(See also Feeds)

Derby All-Purpose Premix

Flav-A-Dee

Whitmoyer 150D - 1500A Pure Cod Liver Oil

SUMMARY OF INSPECTION

In the calendar year 1964, a total of 1245 samples was examined. This total included official samples of commercial feeds, concentrates of vitamin D and other vitamins, and miscellaneous materials, as shown in the following summary:

Biological specimens analyzed for poison	163
Check feeds, A. A. F. C. O., etc.	9
Commercial feeding stuffs, official samples	630
Feed stuffs, etc., for Storrs Station	292
Miscellaneous feeds, etc., analyzed for purchasers	112
Vitamin Carriers	39
	<hr/>
	1,245

The samples examined for Storrs Station were submitted in connection with investigations of that Station, and are not discussed in this report.

Commercial Feeding Stuffs

Results of our analyses of the official samples can be summarized as follows:

Total number of samples	630
Samples deficient in:	
One item	48
Two items	<u>4</u> 52
Percentage of samples meeting guaranties	
Total guaranties made	92 ² , 073
Guaranties not met:	
protein	12
fat	25
fiber	13
arsanilic acid	1
furazolidone	3
sulfaquinoxaline	1
zoalene	<u>1</u> 56
Percentage of guaranties met	97

Analyses are given in Table 1; deficiencies are shown by wavy underlining (). Tolerances used were 0.75 per cent for protein and fiber, 0.25 per cent for fat, and 20 per cent of guaranty for drugs.

² One sample with six guaranties, 27 with five guaranties, 107 with four guaranties, 497 with three guaranties, five with two guaranties, three with one guaranty, and nine with no guaranty (guaranties for undetermined medicants not included).

Vitamin Carriers

Thirty-nine samples of vitamin concentrates were examined. Assays were as follows: Eighteen for vitamin D only by the A. O. A. C. chick method; 16 for vitamin D, niacin, riboflavin and pantothenic acid; two for niacin, riboflavin and pantothenic acid only; two for folic acid, niacin, riboflavin, pantothenic acid and thiamine; and one for those five vitamins plus vitamin B₁₂. Results of all assays are given in Table 2.

Only one sample was definitely deficient in vitamin D. On the basis of a plus-or-minus twenty per cent tolerance, the numbers of samples containing too little or too much of the other vitamins were:

<u>Too high or too low in</u>	<u>No. of samples</u>
Niacin, pantothenic acid, thiamine and vitamin B ₁₂	1
Niacin, pantothenic acid and riboflavin	1
Niacin and pantothenic acid	1
Niacin	1
Pantothenic	1
	5

Of the total of 39 samples, 33, or 85 per cent, met all guarantees.

Miscellaneous Feeds

One hundred and twelve unofficial samples of feed and fodder materials were examined. This total included commercial mixed feeds and feed ingredients submitted by dealers and consumers samples of hay and silage for farmers, and miscellaneous materials suspected of having poisoned livestock or pets. There were also 11 samples of alfalfa, beet pulp, grain, hay and silage submitted by the State Department of Agriculture to check on possible sources of heptachlor and its epoxide in the milk of four dairy farms.

No definitely deleterious substance was found in any commercial feed and the only samples found to contain a possibly significant proportion of any poison were the following:

3716. First Growth Sorghum. Beaumont Farm, Wallingford, Conn. Hydrocyanic acid present.

4038. Weeds from Hay. Howard Kemmerer, Wallingford, Conn. There weeds contained a considerable proportion of wild cherry leaves and twigs.

Traces of heptachlor and epoxide were found in two samples of alfalfa, three of beet pulp from Manitoba, and four of hay. The proportions of these insecticides present (in parts per million) ranged from 0.006 heptachlor and 0.027 heptachlor epoxide in one sample of beet pulp to no heptachlor and 0.09 heptachlor epoxide in one hay sample. While these amounts are low, considering that the tolerances for heptachlor and its epoxide in milk are zero,

any dairy farmer who fed these materials to his cows would be taking a chance of having his milk taken off the market.

In addition to the above samples, traces of pesticides were found in the following:

4096. Apple Pomace. Schanz Farm, Inc., Northford, Conn. DDE, 0.19; DDT, 1.40; deildrin, 0.21; TDE, 0.94; and tedium, 0.39, p.p.m.

2986. Mixed Oats, Weeds and Alfalfa. John Bugai, Durham, Conn. DDT, 0.04; dieldrin, 0.04; heptachlor, 0.03; and heptachlor epoxide, 0.12, p.p.m.

Biological Specimens Examined for Poisons

One hundred and sixty-three biological specimens, mostly of domestic animals, were submitted for examination because of suspected poisoning. In 39 of them poisonous substances were present in sufficient quantity to suggest possible causes of illness or death.

The poisonous materials, and the numbers of specimens in which they were found, are summarized as follows: Arsenic (1); arsenic with lead (lead arsenate), antimony and bismuth (1); asphalt with barium (1); cadmium with lead and an unidentified alkaloid (1); chlordane (1); cyanide (1); DDT (5); ethylene glycol (2); lead (10); lead with mercury and an unidentified alkaloid (1); lead with styrchinne (1); mercury (4); nitrate (1); strychnine (1); sulfaquinoxaline (1); thallium (2); unidentified alkaloids (4); and zirconium (1).

Check Feeds

Nine feeds were analyzed in the check feed program sponsored by the Association of America Feed Control Officials.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaran-teed not less than	Found
ACME-EVANS CO. (Division of General Grain Inc.), Indianapolis, Ind.				
3829	Acme Wheat middlings-- Ground Wheat Screenings	10.92	14.00	15.50
3497	Acme Yellow Hominy Feed	10.66	9.00	10.00
AGWAY, INC., Syracuse, N.Y.				
4445	Agway Booster Bits Medicated	10.21	16.00	17.50
3881	Agway Bulky (Roughage Ex-tender)	11.56	12.00	12.25
3613	Agway Calf Grower	11.66	18.00	19.00
3739	Agway Cashmaker Medicated	11.99	16.00	17.00
3946	Agway Cashmaker 17 (A) Med.	10.37	17.00	20.00
3614	Agway Champion	13.56	14.00	14.25
3861	Agway Compact 16 Pellets ESM	10.62	16.00	18.00
3611	Agway Dairypels 16	10.71	16.00	17.25
3615	Agway DFE	11.49	12.00	14.50
4207	Agway Dienestrol Diacetate Mixture Lipamone Roaster 1/2-Med. Incorpin Roaster Finisher	10.68	16.00	19.50
4213	Agway Egg Producer 21-(A) Med. (Laying Mash)	10.42	21.00	27.50
3742	Agway ES-GRO-BITS (A) Med.	11.42	14.50	15.00
3743	Agway ES-LAY-BITS (A) Med.	10.20	16.00	16.50
3688	Agway Fulpail	11.60	20.00	20.00
4212	Agway Game & Turkey Grower (Pellets)	10.80	21.00	21.00
3552	Agway Glen-Haven Demand Horse Feed	11.33	12.00	13.75
3953	Agway Gro-Bits-WM Med.	11.07	16.00	17.25
3864	Agway Hog Feed	11.13	14.00	15.50
<hr/> <i>Indicates deficiencies.</i>				

INSPECTION OF 1964

Fat		Fiber		Medicants
Guaran-	Guaran-	Guaran-		
teed not less than	teed not more than	teed not more than	Found	
3.00	4.28	9.50	7.02	
7.00	7.74	6.00	4.66	
4.00	5.60	4.50	3.14	Furazolidone: Guar., 0.0220%; found, 0.0204%.
3.00	3.01	13.00	11.62	
3.50	4.12	7.00	5.98	
4.00	5.73	3.50	3.14	Arsanilic acid: Guar., 0.0099%; found, 0.0103%.
4.00	5.53	4.00	2.73	Arsanilic acid: Guar., 0.01%; found, 0.0118%.
2.50	2.96	7.00	4.80	
3.00	4.52	9.00	7.62	
3.00	4.91	9.00	7.67	
2.50	3.71	10.00	8.74	
				Sulfaquinoxaline: Guar., 0.0125%; found, 0.0132%.
3.50	5.58	4.00	2.95	Dienestrol diacetate: Guar., 0.0035%; found, 0.0038%.
4.00	4.73	4.00	3.10	Arsanilic acid: Guar., 0.0160%; found, 0.0090%.
4.00	5.26	6.00	4.51	Arsanilic acid: Guar., 0.01%; found, 0.0092%.
4.00	4.52	4.00	3.20	Arsanilic acid: Guar., 0.010%; found, 0.0094%.
3.00	4.21	8.00	6.09	
3.50	4.47	4.50	3.02	Bacitracin: Guar., 5 gm/ton; not determined.
2.50	3.38	15.00	12.82	
3.50	4.90	5.00	3.95	Amprolium: Guar., 0.004%; found, 0.0041%.
3.00	4.58	5.00	4.61	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaranteed not less than	Found
3880	Agway Hominy Feed	11.66	10.00	11.25
4441	Agway Medicated Defender	9.96	16.00	17.25
4007	Agway Medicated Sentinel	11.08	16.00	16.00
3879	Agway Milkerpels 16	11.38	16.00	17.75
4136	Agway Milkerpels 16 WA Med.	10.56	16.00	17.25
3912	Agway Milkmore 16 ESM	12.91	16.00	16.00
3686	Agway Milksaver	6.50	24.00	26.00
3947	Agway Pacemaker Medicated	11.16	20.00	21.75
4214	Agway Pacemaker Starter (B) Medicated	11.71	21.00	22.75
4210	Agway Pel-Lay Medicated	10.22	16.00	17.50
3721	Agway Pork Builder	10.97	14.00	14.75
4008	Agway Pork Gainer Medicated	10.19	16.00	17.25
4215	Agway Pork Mix	9.09	40.00	40.75
3945	Agway Pullet Grower 20 (A) Medicated	10.42	20.00	22.75
4440	Agway Rabbettes Medicated	9.70	15.00	15.00
4175	Agway Roaster Finisher Med.	10.67	18.00	19.75
4013	Agway Sentinel Bits Medicated	10.81	16.00	17.00
3914	Agway Sow & Pig Supplement	9.57	36.00	<u>32.50</u>

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Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                                                                                          |
|-------------------------------------|-------|-------------------------------------|-------|----------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                    |
| 5.00                                | 6.24  | 6.00                                | 4.74  |                                                                                                    |
| 3.50                                | 4.56  | 5.00                                | 4.22  | Furazolidone: Guar., 0.0220%; found, 0.0235%.                                                      |
| 3.50                                | 4.34  | 5.00                                | 4.12  | Oxytetracycline hydrochloride: Guar., 0.1 gm/lb.; found, 0.101 gm/lb.                              |
| 3.50                                | 5.80  | 8.00                                | 7.99  |                                                                                                    |
| 3.50                                | 3.84  | 8.00                                | 8.01  | Chlortetracycline hydrochloride: Guar., 0.01 gm/lb.; found, 0.009 gm/lb.                           |
| 3.00                                | 4.13  | 10.00                               | 7.86  |                                                                                                    |
| 5.00                                | 5.11  | 1.50                                | 0.85  |                                                                                                    |
| 4.00                                | 5.11  | 4.00                                | 3.09  | Amprolium: Guar., 0.004%; found, 0.0043%.                                                          |
| 4.00                                | 4.18  | 3.50                                | 2.66  |                                                                                                    |
| 3.50                                | 4.67  | 4.00                                | 2.90  | Arsanilic acid: Guar., 0.0099%; found, 0.0100%.                                                    |
| 3.00                                | 4.18  | 3.50                                | 2.79  |                                                                                                    |
| 4.50                                | 5.48  | 4.00                                | 2.86  | Arsanilic acid: Guar., 0.0099%; found, 0.0090%. Hygromycin B: Guar., 0.006 gm/lb.; not determined. |
| 1.50                                | 5.16  | 5.50                                | 3.96  | Bacitracin: Guar., 37.5 gm/lb.; not determined. Penicillin: Guar., 7.5 gm/ton; not determined.     |
| 4.00                                | 4.98  | 6.50                                | 5.38  | Arsanilic acid: Guar., 0.0160%; found, 0.0142%.                                                    |
| 2.50                                | 3.71  | 5.00                                | 4.26  | Furazolidone: Guar., 0.0055%; found, 0.0063%.                                                      |
| 4.00                                | 5.13  | 3.50                                | 3.08  | Amprolium: Guar., 0.0125%; found, 0.0142%. Ethopabate: Guar., 0.00040%; found, 0.00039%.           |
| 4.00                                | 5.01  | 4.00                                | 3.33  | Oxytetracycline hydrochloride: Guar., 200 gm/ton; found, 198 gm/ton.                               |
| 2.00                                | 3.09  | 6.00                                | 4.48  |                                                                                                    |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                                              | Manufacturer and brand                    | Mois-ture | Protein<br>(N x 6.25)     |       |
|--------------------------------------------------------------------------|-------------------------------------------|-----------|---------------------------|-------|
|                                                                          |                                           |           | Guar-anteed not less than | Found |
| 4015                                                                     | Agway Squealer Medicated<br>(Pig Starter) | 10.41     | 18.00                     | 19.50 |
| 3551                                                                     | Agway Super Test Feed                     | 12.32     | 16.00                     | 17.00 |
| 4019                                                                     | Agway Turkey Finisher                     | 11.34     | 16.00                     | 17.25 |
| 3862                                                                     | Agway Turkey Finisher<br>(Pellets)        | 10.31     | 16.00                     | 18.00 |
| 3713                                                                     | Agway Turkey Grower                       | 10.50     | 20.00                     | 21.50 |
| 3954                                                                     | Agway Turkey Starter Med.                 | 11.27     | 28.00                     | 28.00 |
| 4006                                                                     | Agway Veal-N-Gro Milk Replacer Medicated  | 5.28      | 24.00                     | 24.50 |
| 3499                                                                     | Bloomfield Hominy Mix                     | 13.93     | 8.00                      | 10.00 |
| 2693                                                                     | Calfsaver Tablets                         | ....      | ....                      | ....  |
| 3712                                                                     | Supmix                                    | 9.82      | 36.00                     | 36.50 |
| 3714                                                                     | Tastibulk                                 | 12.50     | 9.50                      | 11.75 |
| ALBERS MILLING CO. (Div.<br>of Carnation Co.), Los<br>Angeles 36, Calif. |                                           |           |                           |       |
| 4280                                                                     | Albers Calf Manna                         | 10.76     | 25.00                     | 25.00 |
| 3973                                                                     | Albers Rabbit Breeder Paks                | 8.91      | 15.00                     | 15.50 |
| 3547                                                                     | Albers Sho-Glo                            | 10.44     | 22.00                     | 23.00 |
| 4281                                                                     | Albers Spur                               | 10.10     | 25.00                     | 25.00 |
| 3548                                                                     | Albers Suckle                             | 8.16      | 24.00                     | 25.25 |
| 4003                                                                     | Albers Suckle Medicated                   | 5.99      | 24.00                     | 27.00 |
| 4282                                                                     | Albers Veal Glo                           | 4.91      | 22.00                     | 23.00 |

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Indicates deficiencies.

INSPECTION OF 1964

Fat		Fiber		
Guaran-		Medicants		
teeed not less than	teeed not more than	Found	Found	
2.50	2.76	2.00	2.76	Chlortetracycline hydrochloride: Guar., 100 gm/ton; found, 106.0 gm/ton. Penicillin: Guar., 50 gm/ton; not determined. Sulfamethazine: 100 gm/ton; not determined.
4.50	4.81	8.00	7.31	Bacitracin: Guar., 0.5 gm/ton; not determined.
3.50	4.86	4.00	2.93	
3.50	4.69	4.00	3.25	
3.50	4.46	4.50	3.53	
3.00	4.04	4.00	2.98	Amprolium: Guar., 0.0125%; found, 0.0101%.
20.00	<u>17.82</u>	0.25	0.29	Chlortetracycline hydrochloride: Guar., 0.025 gm/lb.; found, 0.029 gm/lb.
4.00	5.83	6.00	4.58	
....	....	....	....	Chlortetracycline hydrochloride: Guar., 18 mgms/tablet; found, 19.71 mgms/tablet.
1.50	3.50	8.00	7.05	Niacin: Guar., 50 mgms/tablet; found, 61.03 mgms/tablet.
2.00	3.21	10.00	6.88	
3.00	3.64	6.00	5.37	
2.00	2.94	22.00	21.97	
5.00	3.97	7.00	5.58	
2.00	<u>2.52</u>	13.00	11.02	
5.00	6.04	1.00	0.61	
10.00	8.89	1.00	0.62	
20.00	<u>17.92</u>	1.00	0.22	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaran-teed not less than	Found
	ALLIED MILLS, INC., Chicago, Ill.			
4337	Wayne Rabbit Ration 8600-00	9.81	17.00	18.00
	AMBURGO MFG. CO., INC., Hope, Ind.			
4342	Amburgo Sard-X Dehydrated Fish Solubles	4.35	60.00	63.50
	AMERICAN CRYSTAL SUGAR CO., E.Grand Forks,Minn.			
4056	Dried Beet Pulp with Beet Molasses	8.81	9.50	9.50
3902	Plain Dried Beet Pulp	9.03	8.50	10.00
	AMERICAN CYANAMID CO., Princeton, N. J.			
3545	Cyrea Urea Feed Compound	....	262.00	265.63
	AMERICAN FEED CO., New York 53, N. Y.			
3496	Afco Brand Dried Bakery Product	10.64	9.50	11.75
	AMERICAN MAIZE-PROD. CO., New York, N. Y.			
3567	Amaizo Gluten Meal	10.96	41.00	44.13
	ATLANTIC PROCESSING CO., Amagansett, N. Y.			
4157	Smith's Lifeline Fish Meal	8.21	60.00	69.00

INSPECTION OF 1964

Fat		Fiber		Medicants
Guaran-	Guaran-	teeed not	teeed not	
teed not	less	more	than	Found
2.00	3.56	15.00	12.37	
6.00	11.00	2.00	0.36	
0.30	0.72	19.00	16.91	
0.30	0.81	22.00	21.22	
....	
8.00	7.50	2.00	1.46	
1.00	1.48	6.00	3.53	
5.00	7.22	3.00	0.44	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaranteed not less than	Found
BEACON FEEDS, Beacon Div. of Textron Inc., Cayuga, N. Y.				
3894	Beacon Brisk Complete Horse Feed	11.31	12.50	12.75
3961	Beacon Broiler Finisher App Medicated	11.12	20.00	21.50
3761	Beacon Calf Grow	11.21	17.00	17.25
3549	Beacon Chinchilla Pellets	10.42	19.00	19.50
3924	Beacon "15" Coarse Test Cow Ration	13.01	15.00	15.00
3896	Beacon Complete Rabbit Pellets	10.34	17.00	17.00
3960	Beacon Complete Starter AP Medicated	11.16	22.00	24.75
3757	Beacon Dairy Fitting	11.67	14.00	14.00
4209	Beacon 0.007% Dienestrol Diacetate Mix in Beacon Poultry Finisher	12.18	15.00	16.75
3746	Beacon Egg Mate A Med.	10.22	16.00	16.00
3891	Beacon Grain Mate	13.12	20.00	20.25
3897	Beacon Grower All-Mash	11.24	16.00	16.50
3923	Beacon Hi-Energy "18" Test Pel-ets	12.66	18.00	19.50
3917	Beacon Hi-Pro Duck Grower Finisher	12.47	18.00	19.50
3895	Beacon Milk Check Coarse "16"	11.22	16.00	16.00
4436	Beacon Rumentrol Medicated	10.79	16.00	17.00
3959	Beacon Starter-Broiler APP Medicated	11.43	23.00	26.00
3893	Beacon Tally-Ho-Horse Feed	13.21	11.00	11.50
3919	Beacon "16" Test Cow Ration	12.63	16.00	16.50
3915	Beacon "18" Test Cow Ration	13.57	18.00	18.25
3921	Beacon Turkey Fattener All-Mash (Pellets)	11.96	15.00	17.00

INSPECTION OF 1964

Fat		Fiber		Medicants
Guaran-	Guaran-	Guaran-		
teed not less than	teed not more than	teed not more than	Found	
2.50	2.73	18.00	15.04	Amprolium: Guar., 0.0125%; found, 0.0144%. Ethopabate: Guar., 0.0004%; found, 0.00044%.
6.00	8.15	3.50	2.73	
3.00	3.79	8.00	6.41	
2.50	4.31	14.00	12.40	
4.00	4.08	7.50	6.24	
3.50	3.79	13.00	12.46	Amprolium: Guar., 0.008%; found, 0.0090%.
3.50	4.09	5.00	2.89	Dienestrol Diacetate: Guar., 0.0070%; found, 0.0065%.
3.50	4.84	8.00	6.67	Nicarbazin: Guar., 0.0125%; found, 0.0108%.
4.00	8.09	4.50	2.59	Arsanilic acid: Guar., 0.009%; found, 0.0083%.
3.00	4.58	5.00	4.10	
3.50	4.01	6.00	3.59	
3.50	4.00	6.00	4.81	
4.25	4.65	7.00	7.08	
3.00	3.38	5.00	3.36	
3.75	4.91	9.00	8.61	
3.50	3.91	8.00	5.85	Amprolium: Guar., 0.0125%; found, 0.0141%. Ethopabate: Guar., 0.0004%; found, 0.00034%.
5.00	6.17	3.50	2.65	
3.00	2.87	8.00	6.00	
4.00	5.14	8.00	6.11	
4.00	4.30	8.00	6.57	
3.00	5.54	5.50	2.98	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaranteed not less than	Found
3918	Beacon Turkey Finisher All-Mash	11.32	18.00	20.25
4404	Beacon Turkey Finisher All-Mash C Medicated	10.59	18.00	19.75
3898	Beacon "20" Turkey & Game Bird Grower	11.67	20.00	20.00
4392	Beacon "20" Turkey Grower C Medicated (Pellets)	11.54	20.00	20.00
3958	Beacon Turkey Starter AP Medicated	10.66	28.00	29.75
3759	Be-Co Grower	10.31	14.00	14.00
3916	Be-Co-Nurse Milk Replacer	4.91	20.00	21.75
3758	Linseed Oil Meal	11.27	....	36.00
3922	Pro-Pel "16" Dairy	10.61	16.00	17.25
3760	50% Soybean Meal	10.46	....	49.25
THE BERKMAN GRAIN CO., North Franklin, Conn.				
4076	Nibco 18% Dairy Ration	12.25	18.00	15.50
4077	Nibco Fitting Ration	11.76	14.00	13.25
4107	Nibco Five Star Lo Color	10.16	18.00	18.00
4108	Nibco Five Star Roaster	11.23	16.00	18.00
4396	Nibco Five Star Super Starter	11.36	25.00	24.25
4109	Nibco Five Star Super Starter	10.74	25.00	25.00
4106	Nibco Five Star Weight Maker	10.85	22.00	22.00
4395	Nibco Five Star Weight Maker	11.24	22.00	22.50

~~~~~ Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                                                                  |
|-------------------------------------|-------|-------------------------------------|-------|----------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                            |
| 3.00                                | 4.81  | 4.00                                | 2.57  |                                                                            |
| 4.50                                | 4.23  | 3.50                                | 3.24  |                                                                            |
| 3.00                                | 5.94  | 4.50                                | 3.21  | Chlortetracycline hydrochloride: Guar., 200 gms/ton; found, 200.6 gms/ton. |
| 3.00                                | 3.61  | 6.00                                | 4.49  |                                                                            |
| 3.00                                | 5.72  | 4.00                                | 2.69  | Sulfaquinoxaline: Guar., 0.0150%; found, 0.0168%.                          |
| 4.50                                | 6.26  | 3.50                                | 1.95  | Nicarbazin: Guar., 0.010%; found, 0.0114%.                                 |
|                                     |       |                                     |       |                                                                            |
| 3.50                                | 3.87  | 2.00                                | 1.10  | Chlortetracycline hydrochloride: Guar., 50 gms/ton; found, 60.0 gms/ton    |
| 2.00                                | 4.14  | 5.00                                | 4.78  |                                                                            |
|                                     |       |                                     |       |                                                                            |
| 3.50                                | 4.07  | 8.00                                | 7.03  |                                                                            |
|                                     |       |                                     |       |                                                                            |
| 2.00                                | 3.58  | 8.00                                | 2.81  |                                                                            |
|                                     |       |                                     |       |                                                                            |
| 3.00                                | 4.61  | 8.50                                | 5.86  |                                                                            |
|                                     |       |                                     |       |                                                                            |
| 7.00                                | 7.56  | 15.00                               | 13.08 |                                                                            |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                         | Manufacturer and brand                  | Mois-ture | Protein<br>(N x 6.25)    |       |
|-----------------------------------------------------|-----------------------------------------|-----------|--------------------------|-------|
|                                                     |                                         |           | Guaranteed not less than | Found |
| 3644                                                | Nibco High Energy Layer                 | 11.57     | 16.00                    | 16.00 |
| 3646                                                | Nibco High Energy Laying & Growing Mash | 12.04     | 16.00                    | 16.25 |
| 4005                                                | Nibco Medicated Booster Feed            | 11.03     | 20.00                    | 20.88 |
| 3645                                                | Nibco Pullet Builder                    | 11.77     | 15.50                    | 15.50 |
| 3939                                                | Nibco Pullet Starter                    | 12.20     | 20.00                    | 21.00 |
| 4206                                                | Nibco Special Five Star Lo Color        | 11.29     | 18.00                    | 18.25 |
| BLATCHFORD CALF MEAL CO., Waukegan, Ill.            |                                         |           |                          |       |
| 4098                                                | Blatchford's Calf Pab                   | 5.09      | 25.00                    | 26.75 |
| 4074                                                | Blatchford's Calf Meal                  | 9.54      | 24.00                    | 26.00 |
| BLOOMFIELD FARMERS EXCHANGE INC., Bloomfield, Conn. |                                         |           |                          |       |
| 3498                                                | Bloomfield 16% Dairy Ration             | 12.96     | 16.00                    | 16.00 |
| BLUE RIVER FEED MILLS, INC., Edinburg, Ind.         |                                         |           |                          |       |
| 3920                                                | Horse Honey                             | 10.32     | 12.00                    | 14.50 |
| BROOKLAWN GRAIN & FEED CO., Bridgeport, Conn.       |                                         |           |                          |       |
| 3673                                                | Brooklawn Dairy Ration                  | 10.30     | 16.00                    | 18.25 |
| BROWN-FORMAN DISTILLERS CORP., Louisville, Ky.      |                                         |           |                          |       |
| 4315                                                | B F Corn Distillers Dried Grains        | 8.64      | 23.00                    | 26.75 |
| ~~~~~                                               | Indicates deficiencies.                 |           |                          |       |

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                                                                                                                                                                                 |
|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                                                                                           |
| 3.00                                | 5.03  | 5.50                                | 3.39  | P-Ureidobenzeneearsonic acid:                                                                                                                                                             |
| 3.00                                | 5.39  | 5.50                                | 3.73  | Guar., 0.0375%; found,<br>0.0423%.                                                                                                                                                        |
| 3.00                                | 4.29  | 5.50                                | 3.46  | P-Ureidobenzeneearsonic acid:                                                                                                                                                             |
| 3.00                                | 4.88  | 5.50                                | 2.89  | Guar., 0.0375%; found,<br>0.0441%.                                                                                                                                                        |
| 3.50                                | 4.06  | 4.50                                | 3.41  | Amprolium: Guar., 0.0125%;<br>found, 0.0107%.                                                                                                                                             |
| 3.00                                | 6.03  | 8.00                                | 7.10  |                                                                                                                                                                                           |
| 25.00                               | 24.54 | 0.25                                | 0.21  |                                                                                                                                                                                           |
| ....                                | 2.73  | ....                                | 8.20  |                                                                                                                                                                                           |
| 3.25                                | 3.69  | 11.00                               | 10.74 |                                                                                                                                                                                           |
| ....                                | 3.29  | ....                                | 2.92  |                                                                                                                                                                                           |
| 4.00                                | 3.52  | 8.00                                | 6.67  |                                                                                                                                                                                           |
| 4.00                                | 4.04  | 8.00                                | 6.24  |                                                                                                                                                                                           |
| 4.50                                | 5.85  | 3.50                                | 1.86  | Amprolium: Guar., 0.0125%;<br>found, 0.0139%.                                                                                                                                             |
| 4.50                                | 6.39  | 3.00                                | 2.20  | Amprolium: Guar., 0.0125%;<br>found, 0.0142%.                                                                                                                                             |
| 7.00                                | 9.21  | 2.50                                | 2.23  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.0050%;<br>found, 0.0044%. Nicarbazin:<br>Guar., 0.010%; found,<br>0.0114%.                                                             |
| 7.00                                | 8.79  | 2.50                                | 2.42  | Amprolium: Guar., 0.0125%;<br>found, 0.0141%.                                                                                                                                             |
| 6.00                                | 9.59  | 2.50                                | 2.12  | Amprolium: Guar., 0.0125%;<br>found, 0.0111%.                                                                                                                                             |
| 6.00                                | 9.52  | 2.50                                | 2.08  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.005%;<br>found, 0.005%. Nicarbazin:<br>Guar., 0.010%; found,<br>0.0112%. Dienestrol diace-<br>tate: Guar., 0.0023%; found,<br>0.0028%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                             | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------|--------------------------------------------------------------------|-----------|---------------------------|-------|
|             |                                                                    |           | Guaran-teed not less than | Found |
|             | CAMDEN GRAIN CO.,<br>Camden, N. J.                                 |           |                           |       |
| 3508        | Camden Brand Brewers Dried<br>Grains                               | 8.10      | 24.00                     | 27.00 |
|             | CANADIAN SUGAR FACTOR-<br>IES LTD., Alberta, Canada                |           |                           |       |
| 3724        | C. S. F. Alberta Pulp Dried<br>Molasses Beet Pulp                  | 9.27      | 9.00                      | 9.75  |
|             | THE A. B. CAPLE CO.,<br>Toledo, Ohio                               |           |                           |       |
| 4364        | 17% Capex Dehydrated Alfalfa<br>Meal                               | 6.39      | 17.00                     | 20.00 |
|             | CENTRAL CONN. CO-OP<br>FARMERS ASSOC., INC.,<br>Manchester, Conn.  |           |                           |       |
| 2696        | Honest Brand Aureomycin Mix<br>(Pellets) Medicated                 | 10.69     | 18.00                     | 19.00 |
| 2697        | Honest Brand Aureomycin Mix<br>Med. (Turkey Mash)                  | 11.64     | 18.00                     | 29.50 |
| 2698        | Honest Brand Aureomycin Mix<br>Med. (Turkey Pellets)               | 11.21     | 18.00                     | 27.00 |
| 4351        | Honest Brand Complete<br>Breeder Mash                              | 11.49     | 16.00                     | 17.00 |
| 4353        | Honest Brand Complete Ration<br>High Energy Growing Mash           | 12.41     | 15.00                     | 15.00 |
| 4223        | Honest Brand Comp. Ration<br>High Energy Growing Mash<br>Medicated | 11.50     | 15.00                     | 15.25 |
| 4221        | Honest Brand Comp. Ration<br>High Energy Growing Mash<br>Medicated | 10.82     | 15.00                     | 15.25 |

## INSPECTION OF 1964

| Fat                      |                          | Fiber                    |       | Medicants                                                                 |
|--------------------------|--------------------------|--------------------------|-------|---------------------------------------------------------------------------|
| Guaran-                  | Guaran-                  | Guaran-                  |       |                                                                           |
| teed not<br>less<br>than | teed not<br>more<br>than | teed not<br>more<br>than | Found |                                                                           |
| 4.00                     | 5.53                     | 17.00                    | 12.45 |                                                                           |
| 0.30                     | 0.36                     | 20.00                    | 15.89 |                                                                           |
| 2.00                     | 5.90                     | 27.00                    | 17.92 |                                                                           |
| 4.00                     | 6.16                     | 4.00                     | 3.59  | Chlortetracycline hydrochloride: Guar., 0.1 gms/lb.; found, 0.083 gms/lb. |
| 4.00                     | 6.24                     | 4.00                     | 3.75  | Chlortetracycline hydrochloride: Guar., 0.1 gms/lb.; found, 0.102 gms/lb. |
| 4.00                     | 5.54                     | 4.00                     | 3.99  | Chlortetracycline hydrochloride: Guar., 0.1 gms/lb.; found, 0.082 gms/lb. |
| 4.00                     | 4.93                     | 4.00                     | 3.51  |                                                                           |
| 3.00                     | 5.24                     | 4.00                     | 3.89  |                                                                           |
| 4.00                     | 5.17                     | 4.00                     | 3.50  |                                                                           |
| 4.00                     | 6.21                     | 4.00                     | 3.69  |                                                                           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                                  | Manufacturer and brand                                                                   | Protein<br>(N x 6.25) |                           |       |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------|---------------------------|-------|
|                                                              |                                                                                          | Mois-ture             | Guaran-teed not less than | Found |
| 4453                                                         | Honest Brand Comp. Ration<br>High Energy Growing<br>Mash-Medicated Poultry               | 11.75                 | 15.00                     | 16.25 |
| 4350                                                         | Honest Brand Complete<br>Ration High Energy<br>Laying Mash                               | 11.82                 | 15.00                     | 16.00 |
| 4437                                                         | Honest Brand Comp. Ration<br>High Energy Laying Mash<br>Medicated Poultry Feed           | 11.23                 | 15.00                     | 15.50 |
| 4352                                                         | Honest Brand Light Breeder<br>Formula Comp. Ration<br>High Energy Laying Mash            | 11.19                 | 16.00                     | 16.00 |
| 3562                                                         | Honest Brand Nu Lay Layer<br>Ration                                                      | 10.21                 | 16.00                     | 16.75 |
| 4438                                                         | Honest Brand Nu Lay Layer<br>Ration Medicated Poultry<br>Feed                            | 11.54                 | 16.00                     | 16.00 |
| 3563                                                         | Honest Brand Nu Weigh-Hi<br>Broiler Finisher Mash                                        | 11.47                 | 18.00                     | 20.00 |
| 4222                                                         | Honest Brand Nu-Weigh-Hi<br>Starter Mash Medicated                                       | 12.11                 | 20.00                     | 21.50 |
| CENTRAL SOYA, McMillen<br>Feed Division, Fort Wayne,<br>Ind. |                                                                                          |                       |                           |       |
| 4217                                                         | 0.0116 Dien Mix Incorp. in<br>Master Mix Broiler<br>Finisher Conc. 375C-71P<br>Medicated | 8.11                  | 41.00                     | 41.75 |
| 3568                                                         | Forty-Four 44% Solvent<br>Extracted Soybean Meal                                         | 11.33                 | 44.00                     | 44.50 |
| 4219                                                         | Master Hi-Gain Calflac                                                                   | 4.65                  | 24.00                     | 24.00 |
| 4316                                                         | Master Mix Blended Fifty 675                                                             | 10.38                 | 50.00                     | 49.50 |

~~~~~ Indicates deficiencies.

INSPECTION OF 1964

| Fat | | Fiber | | |
|-------------------------------------|--------------|-------------------------------------|-------|---|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | Medicants |
| 3.00 | 5.12 | 4.00 | 4.01 | Furazolidone: Guar., 0.0220%;
found, <u>0.0132%</u> . |
| 4.00 | 4.90 | 4.00 | 3.28 | |
| 4.00 | 5.17 | 4.00 | 3.66 | Furazolidone: Guar., 0.022%;
found, 0.0228%. |
| 5.00 | 6.44 | 4.00 | 3.34 | |
| 5.00 | 5.26 | 4.00 | 3.24 | |
| 5.00 | 5.73 | 4.00 | 3.32 | Furazolidone: Guar., 0.022%;
found, 0.0220%. |
| 2.00 | 5.84 | 6.50 | 2.76 | |
| 4.00 | 5.03 | 4.00 | 3.24 | Nihydrazone: Guar., 100
gms/ton ; not determined. |
| 10.00 | 11.57 | 5.00 | 4.24 | Dienestrol Diacetate: Guar.,
0.0023%; found, 0.0028%.
Nicarbazine: Guar., 0.05%;
found, 0.0472%. |
| 0.50 | 1.01 | 7.00 | 7.25 | |
| 20.00 | <u>17.92</u> | 0.50 | 0.20 | Chlortetracycline hydrochloride: Guar., 25 gms/ton; not
determined. Oxytetracycline hydrochloride: Guar.,
25 gms/ton ; not determined |
| 1.00 | 1.67 | 6.00 | 5.12 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|---|-----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 3948 | Master Mix Broiler Starter Concentrate 351-18A Med. | 10.21 | 42.00 | 43.25 |
| 4218 | Master Mix Calflac Med. | 4.42 | 20.00 | 20.00 |
| 3667 | Master Mix Calf Mixer 559 (Pellets) | 11.57 | 26.00 | 26.00 |
| 4439 | Master Mix Complete Rabbit Pellets 961-84 E Medicated | 10.76 | 15.00 | 15.00 |
| 3577 | Master Mix Complete Turkey Finisher 445 | 11.78 | 15.00 | 15.75 |
| 4317 | Master Mix Dairy Blender 652 | 11.09 | 24.00 | 25.50 |
| 4314 | Master Mix Eastern Big "M" Dairy Feed 622 | 10.04 | 16.00 | 17.00 |
| 3572 | Master Mix Egg Concentrate 263 | 9.16 | 42.00 | 41.00 |
| 4312 | Master Mix H. C. Breeder Concentrate 087 | 9.66 | 42.00 | 42.00 |
| 4161 | Master Mix Hog Finisher Concentrate 889 | 9.34 | 40.00 | 41.25 |
| 3647 | Master Mix Horse Feed 967 | 13.18 | 10.00 | 11.75 |
| 3564 | Master Mix HQ Master Blend Concentrate 667 | 11.48 | 38.00 | 38.00 |
| 3740 | Master Mix Pig & Sow Feed 827-01A Med. (Pellets) | 11.01 | 16.00 | 16.75 |
| 4393 | Master Mix Poult Starter 401-83A Medicated | 11.77 | 28.00 | 29.00 |

Indicates deficiencies.

INSPECTION OF 1964

| Fat | | Fiber | | |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | Medicants |
| 8.50 | 9.72 | 5.00 | 4.23 | Amprolium: Guar., 0.0278%; found, 0.0269%. Ethopabate: Guar., 0.00088%; found, 0.00098%. |
| 11.50 | 11.39 | 0.50 | 0.33 | Chlortetracycline hydrochloride: Guar., 50 gms/ton; not determined. Oxytetracycline hydrochloride: Guar., 50 gms/ton; not determined. |
| 3.00 | 4.18 | 6.50 | 6.33 | Chlortetracycline hydrochloride: Guar., 18 gms/ton; not determined. |
| 2.00 | 3.63 | 16.00 | 14.46 | Furazolidone: Guar., 0.0055%; found, 0.0058%. Sulfaquinoxaline: Guar., 0.0125%; found, 0.0132%. |
| 3.50 | 4.51 | 5.00 | 4.04 | |
| 1.00 | 1.88 | 12.00 | 10.20 | |
| 3.50 | 4.17 | 12.00 | 11.02 | |
| 6.00 | 8.50 | 5.00 | 5.04 | |
| 5.00 | 5.14 | 5.00 | 4.78 | |
| 1.50 | 3.99 | 6.00 | 5.38 | |
| 3.00 | 3.06 | 9.00 | 7.82 | |
| 0.50 | 1.27 | 5.00 | 4.85 | |
| 3.00 | 6.23 | 6.00 | 6.23 | Arsanilic acid: Guar., 0.010%; found, 0.0103%. |
| 4.00 | 5.44 | 4.00 | 3.59 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0042%. Sulfaquinoxaline: Guar., 0.0175%; found, 0.0163%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|---|-----------|---------------------------|-------|
| | | | Guar-anteed not less than | Found |
| 3671 | Master Mix Pullet Concentrate
163 | 9.27 | 36.00 | 36.25 |
| 4374 | Master Mix Pullet Concentrate
163-04H Medicated | 10.61 | 36.00 | 36.00 |
| 4160 | Master Mix Ruma Bulk 646 | 11.11 | 10.00 | 11.00 |
| 3670 | Master Mix Sweet Bulk 'N
Flakes 648 | 11.81 | 10.00 | 12.00 |
| 3720 | Thrifty-Fifty 50% Solvent Ex-
tracted Dehulled Soybean
Meal | 11.12 | 50.00 | 50.00 |
| | S. J. CHERRY & SONS LTD.,
Preston, Ontario, Canada | | | |
| 4024 | S. J. Cherry's Wheat Bran | 11.01 | 13.50 | 16.00 |
| | CITRUS PRODUCTS SALES
MINUTE MAID CO.,
Orlando, Fla. | | | |
| 4261 | Golden Isle Brand Citrus Pulp | 9.97 | 6.00 | 6.50 |
| | CONN. BI-PRODUCTS, INC.,
Columbia, Conn. | | | |
| 4340 | Hydrolyzed Poultry Feathers | 4.91 | 85.00 | 87.50 |
| 4339 | Poultry By-Product Meal | 5.36 | 60.00 | 60.25 |
| 4341 | Meat & Bone Meal | 4.61 | .... | 45.00 |
| | CONNORS BROS. LTD.,
N.B., Canada | | | |
| 4354 | Connors Bros. Ltd. Oily
Fish Meal | 5.17 | 60.00 | 65.50 |
| | CONSOLIDATED RENDERING
CO., Boston 10, Mass. | | | |
| 4156 | Corenco 48% Meat & Bone
Scrap | 7.22 | 48.00 | 48.00 |

Analyses

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INSPECTION OF 1964

| Fat | | Fiber | | Medicants |
|----------|----------|----------|-------|--|
| Guaran- | Guaran- | Guaran- | | |
| teed not | teed not | teed not | | |
| less | more | than | Found | Found |
| 2.50 | 5.26 | 8.00 | 7.01 | Zoalene: Guar., 0.0335%; found, 0.0291%. |
| 2.50 | 5.29 | 8.00 | 6.53 | |
| 1.00 | 1.60 | 22.00 | 20.87 | |
| 1.00 | 1.81 | 20.00 | 18.52 | |
| 0.50 | 0.92 | 3.00 | 3.12 | |
| 3.00 | 4.44 | 11.50 | 10.70 | |
| 2.70 | 6.71 | 15.00 | 11.38 | |
| 0.50 | 7.81 | 1.50 | 0.55 | |
| 10.00 | 12.79 | 3.00 | 1.07 | |
| .... | 10.91 | .... | 1.21 | |
| 10.00 | 13.32 | .... | .... |  |
| 6.00 | 8.09 | 2.00 | 1.56 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|---|------------------------------------|-----------|--------------------------|--------------|
| | | | Guaranteed not less than | Found |
| 3569 | Corenco 50% Meat & Bone Scrap | 6.12 | 50.00 | <u>48.50</u> |
| COUNTRY BEST FOODS,
Agway Inc., Syracuse, N.Y. | | | | |
| 3776 | Big Red Rabbit Food Pellets | 10.51 | 16.00 | 17.00 |
| DAWNWOOD FARMS, INC.,
Wassaic, N.Y. | | | | |
| 4236 | Dawnwood Farms Caf-Star | 6.66 | 25.00 | 26.75 |
| 4237 | Dawnwood Farms Hi-Fat Caf Star | 5.99 | 24.00 | 25.75 |
| D. C. A. FOOD INDUSTRIES,
INC., Ellicott City, Md. | | | | |
| 4320 | D.C.A. Breader | 8.25 | .... | 12.25 |
| 4318 | Domaco Pure Winter Wheat Bran | 11.33 | 13.50 | 14.50 |
| 4311 | Domaco Wheat Middlings | 10.66 | 14.50 | 15.25 |
| DERBY FEED STORE,
Derby, Conn. | | | | |
| 3539 | Litsky's Hi-Energy All-Mash Grower | 12.47 | 16.00 | 16.50 |
| 3511 | Litsky's Hi-Energy All-Mash Layer | 11.69 | 16.00 | 17.00 |
| 3509 | Litsky's Hi-Energy Layer | 11.92 | 20.00 | 20.50 |
| 3937 | Litsky's Hi-Energy Starter-Broiler | 11.57 | 20.00 | 21.38 |
| 4283 | Litsky's Sweet 16% Dairy Ration | 12.79 | 16.00 | <u>14.25</u> |
| DECATUR MILLING CO.,
INC., Decatur, Ill. | | | | |
| 4290 | Homco Hominy Feed | 10.20 | 9.00 | 11.75 |
| ~~~ | Indicates deficiencies. | | | |

INSPECTION OF 1964

| Fat | | Fiber | | Medicants |
|-----------|-----------|-----------|-----------|--|
| Guaran- | Guaran- | Guaran- | Guaran- | |
| teeed not | teeed not | teeed not | teeed not | |
| less | more | less | more | |
| than | than | Found | Found | Found |
| 6.00 | 11.01 | .... | .... |  |
| 3.50 | 4.53 | 12.00 | 8.75 | |
| 6.00 | 8.54 | 1.00 | 0.95 | |
| 10.00 | 10.49 | 0.25 | 0.41 | |
| .... | 1.21 | .... | 0.47 | |
| 3.25 | 3.88 | 9.50 | 9.43 | |
| 4.25 | 4.49 | 7.50 | 7.35 | |
| 3.50 | 3.66 | 4.00 | 3.42 | |
| 3.50 | 4.51 | 4.00 | 4.58 | |
| 3.25 | 3.96 | 4.50 | 4.68 | |
| 3.50 | 3.51 | 4.00 | 4.60 | Sulfaquinoxaline: Guar.,
0.0175%; found, 0.0155%. |
| 3.00 | 2.93 | 10.00 | 6.83 | |
| 5.00 | 6.19 | 6.00 | 4.96 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|--|-----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| | DELPHOS SOYA PRODUCTS
CO., Delphos, Ohio | | | |
| 3507 | 44% Protein Soybean Meal | 12.32 | 44.00 | 45.50 |
| | DUQUESNE BREWING CO.
of PITTSBURG, Pittsburg,
Penn. | | | |
| 3586 | Bulk Brewers Dried Grains | 7.21 | 26.00 | 30.25 |
| | ELLISON'S MILLING &
ELEVATOR CO., LTD.,
Lethbridge, Alberta,
Canada | | | |
| 3596 | Ellison's Wheat Bran | 11.66 | 13.00 | 17.00 |
| | ELMORE MILLING CO.,
INC., Oneonta, N.Y. | | | |
| 3762 | Elmore Bulky Base | 12.24 | 10.00 | 10.13 |
| 3771 | Elmore Complete Calf Milk
Replacer | 8.29 | 25.00 | 25.75 |
| 4135 | Elmore Complete Calf Milk
Replacer | 7.37 | 25.00 | 26.00 |
| 4380 | Elmore Complete Growing
Ration Med. (1Z) | 11.71 | 16.00 | 19.00 |
| 4230 | Elmore Complete Laying
Mash | 11.42 | 16.00 | 17.00 |
| 3765 | Elmore Complete Market
Egg Ration | 12.37 | 16.00 | 17.25 |
| 4166 | Elmore Complete Rabbit
Ration Pellets | 10.11 | 16.00 | 19.25 |
| 4328 | Elmore Complete Turkey
Growing Mash (Pellets) | 12.66 | 17.00 | 19.00 |
| 4407 | Elmore Complete Turkey
Growing Mash Medicated
(1H) Pellets | 12.19 | 17.00 | 17.25 |

~~~~~ Indicates deficiencies.

## INSPECTION OF 1964

| Fat                      |                          | Fiber     |       |                                                         |
|--------------------------|--------------------------|-----------|-------|---------------------------------------------------------|
| Guaran-                  |                          | Medicants |       |                                                         |
| teed not<br>less<br>than | teed not<br>more<br>than | Found     | Found |                                                         |
| 0.50                     | 0.77                     | 7.00      | 8.12  |                                                         |
| 6.00                     | 7.27                     | 20.00     | 20.13 |                                                         |
| 3.50                     | 5.43                     | 11.00     | 10.07 |                                                         |
| 2.50                     | 3.47                     | 16.00     | 13.35 |                                                         |
| 4.00                     | 5.06                     | 2.00      | 1.97  | Oxytetracycline hydrochloride:                          |
| 4.00                     | 4.40                     | 2.00      | 1.96  | Guar., 0.02 gms/lb.; found,<br>0.057,gms/lb.            |
| 3.00                     | 4.36                     | 6.00      | 4.56  | Zoalene: Guar., 0.0125%;<br>found, <del>0.0059%</del> . |
| 3.00                     | 4.28                     | 6.00      | 4.75  |                                                         |
| 3.00                     | 3.73                     | 5.00      | 4.10  |                                                         |
| 2.50                     | 3.36                     | 10.00     | 10.07 |                                                         |
| 3.00                     | 4.48                     | 6.00      | 4.56  | 4-Nitrophenylarsonic acid:                              |
| 3.00                     | 5.16                     | 6.00      | 4.88  | Guar., 0.0250%; found,<br>0.0200%.                      |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                  | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------|-----------------------------------------|-----------|---------------------------|-------|
|             |                                         |           | Guaran-teed not less than | Found |
| 4232        | Elmore Dry & Freshening Ration          | 13.20     | 12.00                     | 14.00 |
| 4322        | Elmore Flaked Pelleted Calf Starter     | 12.07     | 18.00                     | 21.75 |
| 4327        | Elmore Game Bird Breeder Mash (Pellets) | 11.26     | 20.00                     | 20.00 |
| 4233        | Elmore Game Bird Grower                 | 11.66     | 20.00                     | 21.00 |
| 3943        | Elmore Game Bird Grower Medicated (1S)  | 11.70     | 20.00                     | 21.75 |
| 4323        | Elmore Grand Champion Ration            | 11.96     | 15.00                     | 15.00 |
| 3764        | Elmore Horse Feed                       | 12.94     | 9.00                      | 11.25 |
| 4324        | Elmore Maximilk Ration 16% (Pellets)    | 10.96     | 16.00                     | 18.50 |
| 4449        | Elmore Medicated Mash NF 180 (Pellets)  | 12.52     | 16.00                     | 18.25 |
| 4325        | Elmore Milk Grains "Sixteen"            | 12.25     | 16.00                     | 17.75 |
| 3978        | Elmore Pacemaker Dairy Ration 16%       | 11.81     | 16.00                     | 20.00 |
| 3768        | Elmore Pacemaker Dairy Ration 18%       | 11.72     | 18.00                     | 21.00 |
| 4231        | Elmore Pacemaker Horse Pellets          | 10.66     | 11.00                     | 13.75 |
| 4134        | Elmore Picker-upper High Level Feed     | 10.81     | 20.00                     | 20.50 |
| 4167        | Elmore Roughage Extender                | 11.40     | 9.00                      | 14.63 |
| 3770        | Elmore Special Dairy 16%                | 11.86     | 16.00                     | 16.75 |
| 4229        | Elmore Test Ration 16%                  | 11.65     | 16.00                     | 18.50 |
| 4168        | Elmore Test Ration 18%                  | 11.65     | 18.00                     | 20.50 |

JOHN W. ESHELMAN &  
SONS, Lancaster, Penn.

|      |                          |       |       |       |
|------|--------------------------|-------|-------|-------|
| 4338 | Alfalfa Meal 17%         | 9.34  | 17.00 | 18.25 |
| 3588 | Egg Maker Pellets        | 10.70 | 16.00 | 16.50 |
| 3675 | Lancaster 16 Dairy Feed  | 11.41 | 16.00 | 20.25 |
| 3678 | Lancaster 20 Dairy Feed  | 10.71 | 20.00 | 21.50 |
| 3906 | Lancaster Horse Pellets  | 10.46 | 12.50 | 13.25 |
| 3589 | Lancaster Scratch Grains | 13.02 | 9.00  | 9.00  |
| 4055 | Pennsy 16 Dairy Feed 520 | 10.87 | 16.00 | 16.75 |

~~~~~ Indicates deficiencies.

INSPECTION OF 1964

| Fat | | Fiber | | Medicants |
|---------------------------|---------------------------|---------------------------|---------------------------|---|
| Guaran- | Guaran- | Guaran- | teeed not
more
than | |
| teeed not
less
than | teeed not
more
than | teeed not
more
than | Found | |
| 3.50 | 3.99 | 8.00 | 6.11 | |
| 2.50 | 4.09 | 8.00 | 5.88 | |
| 3.50 | 3.91 | 6.00 | 4.47 | |
| 3.00 | 4.52 | 10.00 | 4.57 | |
| 3.00 | 3.50 | 10.00 | 5.72 | Sulfaquinoxaline: Guar.,
0.0175%; found, 0.0168%. |
| 3.50 | 3.89 | 8.00 | 6.85 | |
| 3.00 | 3.00 | 12.00 | 6.18 | |
| 3.50 | 4.95 | 9.00 | 8.71 | |
| 3.00 | 3.99 | 6.00 | 3.87 | Furazolidone: Guar., 0.0220%;
found, <u>0.0114</u> %. |
| 3.50 | 4.66 | 8.00 | 7.81 | |
| 3.00 | 3.35 | 10.50 | 8.02 | |
| 3.00 | 3.87 | 10.00 | 7.23 | |
| 2.00 | 3.69 | 17.00 | 14.15 | |
| 3.50 | 4.96 | 8.00 | 4.47 | Chlortetracycline hydrochloride: Guar., 0.10 gms/lb.;
found, 0.094 gms/lb. |
| 2.00 | 2.59 | 20.00 | 17.31 | |
| 3.50 | 4.13 | 9.00 | 7.01 | |
| 4.00 | 4.07 | 8.00 | 7.80 | |
| 4.00 | 4.01 | 8.00 | 7.52 | |
| 2.00 | 5.59 | 27.00 | 21.89 | |
| 4.00 | 5.06 | 6.50 | 4.72 | |
| 2.50 | 3.21 | 13.50 | 11.25 | |
| 2.50 | 2.86 | 13.00 | 12.44 | |
| 2.00 | 3.93 | 18.00 | 14.82 | |
| 2.00 | 2.58 | 4.00 | 2.04 | |
| 2.50 | 2.89 | 15.00 | 12.78 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|---|-----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 3909 | Red Rose Calf Grower | 13.30 | 14.00 | 14.00 |
| 3682 | Red Rose Chick Grains | 12.67 | 9.00 | 10.50 |
| 3950 | Red Rose Chick Starter Med.
(110-E) | 10.71 | 22.00 | 24.25 |
| 3683 | Red Rose Complete Growing
Ration | 10.82 | 16.00 | 17.00 |
| 3593 | Red Rose Complete Laying
Ration | 9.89 | 16.00 | 17.25 |
| 3824 | Red Rose Complete Turkey
Finisher | 10.46 | 16.00 | 16.75 |
| 4394 | Red Rose Complete Turkey
Grower Medicated
(312-C) | 10.37 | 20.00 | 20.75 |
| 3756 | Red Rose 16 Dairy Feed | 11.58 | 16.00 | 17.00 |
| 3910 | Red Rose Duck Grower &
Breeder (Pelleted) | 10.65 | 20.00 | 20.00 |
| 3677 | Red Rose Equinader | 11.04 | 20.00 | 20.25 |
| 3805 | Red Rose Fitting Ration | 15.72 | 12.00 | 14.25 |
| 3800 | Red Rose Goat Ration | 11.99 | 14.00 | 14.25 |
| 3755 | Red Rose Horse Feed | 13.27 | 9.00 | 9.00 |
| 3587 | Red Rose Intermediate Chick
Grains | 13.78 | 9.00 | 9.25 |
| 3594 | Red Rose Laying Mash | 10.16 | 20.00 | 21.00 |
| 3685 | Red Rose Milk Replacer | 7.36 | 22.00 | 23.25 |
| 3806 | Red Rose Pigeon Feed | 11.89 | 12.00 | 14.00 |
| 3904 | Red Rose Pig Grower
Pellets | 11.84 | 16.00 | 17.75 |
| 3676 | Red Rose Porkmaker | 11.26 | 14.00 | 15.50 |
| 3826 | Red Rose Rabbit Pellets | 8.39 | 18.00 | 17.25 |
| 3827 | Red Rose Rabbit Pellets | 9.94 | 16.00 | 17.50 |
| 3681 | Red Rose Rumenator (Dairy
Booster) | 10.27 | 16.00 | 17.75 |
| 3592 | Red Rose Scratch Grains | .... | 10.00 | 9.00 |
| 3905 | Red Rose Show Horse Feed | 12.39 | 14.00 | 15.75 |
| 3679 | Red Rose Starter & Grower | 11.00 | 20.00 | 20.75 |
| 4058 | Red Rose 14 Test Cow Feed | 11.26 | 14.00 | 15.75 |
| 3591 | Solvent Extracted 41%
Cottonseed Meal | 9.56 | 41.00 | 41.25 |

~~~~~ Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                                                           |
|-------------------------------------|-------|-------------------------------------|-------|---------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                     |
| 3.50                                | 3.53  | 8.00                                | 6.15  |                                                                     |
| 2.00                                | 2.54  | 3.00                                | 1.78  |                                                                     |
| 4.00                                | 5.28  | 4.50                                | 4.75  | Amprolium: Guar., 0.0125%;<br>found, 0.0110%.                       |
| 4.00                                | 5.57  | 6.00                                | 5.25  |                                                                     |
| 4.00                                | 5.21  | 5.00                                | 5.59  |                                                                     |
| 4.00                                | 6.29  | 6.00                                | 4.61  | P-Ureidobenzeneearsonic acid:<br>Guar., 0.0375%; found,<br>0.0400%. |
| 4.00                                | 5.39  | 6.00                                | 4.90  |                                                                     |
| 3.50                                | 4.85  | 9.50                                | 7.45  |                                                                     |
| 4.00                                | 5.37  | 6.00                                | 5.01  |                                                                     |
| 1.50                                | 3.02  | 9.00                                | 8.40  |                                                                     |
| 3.50                                | 4.09  | 8.50                                | 6.80  |                                                                     |
| 3.50                                | 3.83  | 8.50                                | 6.40  |                                                                     |
| 3.00                                | 3.49  | 8.00                                | 3.82  |                                                                     |
| 2.00                                | 4.38  | 3.00                                | 1.86  |                                                                     |
| 4.00                                | 4.75  | 5.50                                | 5.19  |                                                                     |
| 1.00                                | 1.56  | 1.00                                | 0.70  |                                                                     |
| 2.00                                | 2.70  | 5.50                                | 3.05  |                                                                     |
| 3.50                                | 4.34  | 6.00                                | 5.51  |                                                                     |
| 3.50                                | 4.13  | 7.00                                | 5.56  |                                                                     |
| 3.00                                | 4.72  | 10.00                               | 13.24 |                                                                     |
| 2.50                                | 4.94  | 15.50                               | 11.27 |                                                                     |
| 5.50                                | 6.01  | 7.00                                | 6.28  |                                                                     |
| 2.00                                | 3.69  | 4.00                                | 3.05  |                                                                     |
| 3.00                                | 3.35  | 8.00                                | 5.91  |                                                                     |
| 4.00                                | 4.71  | 6.00                                | 4.89  |                                                                     |
| 4.00                                | 3.88  | 7.50                                | 7.01  |                                                                     |
| 0.50                                | 3.66  | 13.00                               | 11.61 |                                                                     |

TABLE I. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                                         | Manufacturer and brand                                       | Mois-ture | Protein<br>(N x 6.25)           |              |
|---------------------------------------------------------------------|--------------------------------------------------------------|-----------|---------------------------------|--------------|
|                                                                     |                                                              |           | Guaran-teed not<br>less<br>than | Found        |
| <b>FARM BUREAU ASSOCIATION,<br/>Waltham, Mass.</b>                  |                                                              |           |                                 |              |
| 3725                                                                | Farm Bureau Advancer 16%<br>Pellets                          | 9.71      | 16.00                           | 17.50        |
| 3744                                                                | Farm Bureau Complete Layer<br>Breeder Mash Medicated         | 10.06     | 16.00                           | 16.25        |
| 4296                                                                | Farm Bureau Controlled<br>Energy Complete Producer           | 11.36     | 16.00                           | 16.50        |
| 3723                                                                | Farm Bureau Dairy 16%                                        | 10.27     | 16.00                           | 18.25        |
| 3726                                                                | Farm Bureau Rabbit Food<br>Pellets                           | 9.41      | 18.00                           | 18.50        |
| 3941                                                                | Farm Bureau Rabbit Food<br>Pellets                           | 9.91      | 18.00                           | 20.13        |
| <b>FARMERS FEED CO.,<br/>Brooklyn, N. Y.</b>                        |                                                              |           |                                 |              |
| 4284                                                                | "Bull Brand" Brewers Dried<br>Grains                         | 8.78      | 26.00                           | 28.50        |
| <b>FLORIDA CITRUS CANNERS<br/>COOPERATIVE, Lake<br/>Wales, Fla.</b> |                                                              |           |                                 |              |
| 3684                                                                | Lake Wales Brand Dried<br>Citrus Pulp                        | 10.85     | 6.00                            | 6.00         |
| <b>FRUEN MILLING CO.,<br/>Minneapolis, Minn.</b>                    |                                                              |           |                                 |              |
| 3665                                                                | Fruen's All Purpose Thrift<br>Pellets                        | 10.31     | 12.50                           | <u>11.50</u> |
| <b>GENERAL MILLS, INC.,<br/>Minneapolis, Minn.</b>                  |                                                              |           |                                 |              |
| 3892                                                                | General Mills, Inc. Wheat<br>Bran-Ground Wheat<br>Screenings | 12.13     | 15.00                           | 16.00        |

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Indicates deficiencies.

INSPECTION OF 1964

Fat		Fiber		Medicants
Guaran-	Guaran-	Guaran-		
teeed not less than	teeed not more than	teeed not more than	Found	
3.50	4.68	8.00	6.47	
4.00	4.19	4.50	4.03	Arsanilic acid: Guar., 0.01%; found, 0.0108%.
4.00	4.49	4.50	3.91	
3.50	3.73	8.00	6.78	
2.50	4.04	18.00	12.37	Sulfaquinoxaline: Guar., 0.025%; found, 0.0156% .
2.50	3.61	18.00	12.39	
6.00	7.38	17.00	11.85	
2.00	2.68	16.00	12.18	
4.50	<u>3.99</u>	16.00	15.39	
2.50	4.97	13.00	10.26	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaran-teed not less than	Found
3782	General Mills, Inc. Wheat Middlings-Ground Wheat Screenings	11.11	15.00	17.25
	GOLDEN GEM GROWERS, INC., Umatilla, Fla.			
3605	Golden Gems Sweet Dried Citrus Pulp	9.73	6.00	6.00
	THE GREAT ATLANTIC & PACIFIC TEA CO., INC., New York, N. Y.			
3883	Daily Egg Laying Mash	10.26	20.00	21.50
	GREAT STAR FLOUR MILLS LTD., St. Marys, Ontario, Canada			
3505	Great Star Bran	12.41	13.00	15.75
3506	Great Star Shorts	12.41	14.00	16.00
	HALES & HUNTER CO., Chicago, Ill.			
4082	Bran	11.46	....	16.00
4084	Middlings	11.31	....	15.75
4085	Pioneer Calf Starter	11.66	18.00	18.00
4086	Pioneer Dry & Freshening 540000	12.04	12.00	12.75
4114	Pioneer Hog Developer Med.	10.44	14.00	15.25
3732	Pioneer Horse Feed	11.08	12.00	13.00
3752	Pioneer 14 Milker	12.08	14.00	15.00
4081	Pioneer 16 Milker 543400	6.06	16.00	16.00
3753	Pioneer 16 Milker Pellets	10.78	16.00	16.00
3751	Pioneer 16 Pelleted Flaked Dairy	11.90	16.00	16.00
4083	Pioneer Production Dairy 16 543900	11.99	16.00	16.00

INSPECTION OF 1964

Fat		Fiber		
Guaran-		Medicants		
teed not less than	teed not more than	Found	Found	
3.50	4.33	9.50	3.31	
2.50	3.93	11.00	10.90	
3.00	3.43	7.50	6.55	
3.50	4.51	11.00	9.30	
5.00	4.80	8.00	5.80	
....	5.08	....	10.02	
....	4.62	....	8.03	
2.50	3.21	7.00	5.77	
2.50	3.54	8.00	7.09	
3.00	3.53	4.50	3.99	Arsanilic acid: Guar., 0.008% found, 0.0095%.
2.50	3.51	8.00	7.07	
2.50	3.92	10.00	7.25	
2.50	3.84	10.00	9.29	
2.50	3.78	10.00	9.73	
2.50	4.12	7.00	6.81	
2.50	3.57	8.00	7.70	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaranteed not less than	Found
4454	Pioneer Rabbit Pellets Med. 48100	10.36	16.00	16.25
4356	Pioneer Roughage Extender 60604AC	13.16	....	10.00
3733	Pioneer Sup-Pel Dairy Supplement Pellets	9.76	18.00	<u>17.00</u>
4009	Pioneer Vig-R-Calf Milk Replacer Medicated	4.67	21.00	21.25
3957	Red Comb Broiler Finisher 0207 Medicated	11.46	19.00	22.50
4373	Red Comb Broiler Finisher 0207 Med. 020207	11.96	19.00	21.00
4371	Red Comb Broiler Starter Medicated 000107	12.17	23.00	26.00
4372	Red Comb Chick Starter Medicated 200006	11.24	20.00	20.00
4080	Red Comb Complete Grower 210000	11.30	15.00	15.75
3955	Red Comb Complete Grower Medicated	11.80	15.00	17.50
4115	Red Comb Complete Layer 16 Med. 240109	10.26	16.00	16.25
3956	Red Comb Growing Mash Medicated	10.51	18.00	19.00
3745	Red Comb Complete Layer 15 Medicated	10.26	15.00	17.00

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Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |             | Fiber                               |       | Medicants                                                                               |
|-------------------------------------|-------------|-------------------------------------|-------|-----------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found |                                                                                         |
| 2.00                                | 3.98        | 15.00                               | 10.02 | Furazolidone: Guar., 0.0055%; found, 0.0063%.                                           |
| ....                                | 3.62        | ....                                | 4.59  |                                                                                         |
| 3.00                                | 3.01        | 8.00                                | 5.54  |                                                                                         |
| 8.50                                | 8.80        | 0.50                                | 0.41  | Chlortetracycline hydrochloride: Guar., 100 gms/ton; found, 92.0 gms/ton.               |
| 5.00                                | 5.14        | 3.50                                | 2.89  | Amprolium: Guar., 0.0125%; found, 0.0147%. Ethopabate: Guar., 0.0004%; found, 0.00034%. |
| 5.00                                | 5.64        | 3.50                                | 2.90  | Amprolium: Guar., 0.0125%; found, 0.0142%. Ethopabate: Guar., 0.0004%; found, 0.00044%. |
| 5.00                                | <u>4.11</u> | 3.50                                | 3.34  | Amprolium: Guar., 0.0125%; found, 0.0103%. Ethopabate: Guar., 0.0004%; found, 0.00034%. |
| 3.50                                | 4.53        | 6.00                                | 4.79  | Amprolium: Guar., 0.008%; found, 0.0093%.                                               |
| 3.00                                | 4.14        | 7.00                                | 5.38  | Amprolium: Guar., 0.008%;                                                               |
| 3.00                                | 4.03        | 7.00                                | 3.44  | found, 0.0094%.                                                                         |
| 3.50                                | 3.76        | 5.50                                | 3.92  | Arsanilic acid: Guar., 0.010%; found, 0.0098%.                                          |
| 3.50                                | 3.73        | 8.00                                | 5.86  | Amprolium: Guar., 0.0160%; found, 0.0190%.                                              |
| 3.50                                | 3.90        | 5.50                                | 3.70  | Arsanilic acid: Guar., 0.01%; found, 0.0101%.                                           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                           | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------|--------------------------------------------------|-----------|---------------------------|-------|
|             |                                                  |           | Guaran-teed not less than | Found |
| 4455        | Red Comb-Pioneer Wormer<br>275057                | 10.73     | 20.00                     | 20.00 |
| 4357        | Red Comb Scratch Feed<br>270000                  | 12.88     | 9.00                      | 9.25  |
| 4010        | Red Comb Sup-Pel Medicated<br>Poultry Supplement | 10.46     | 20.00                     | 20.25 |
| 4355        | Red Comb Turkey Finisher<br>14 321000            | 12.00     | 14.00                     | 15.75 |
| 3750        | Red Comb Turkey Grower<br>20 (Pellets)           | 11.66     | 20.00                     | 21.75 |
|             | HAYWARD, INC., Oak<br>Harbor, Ohio               |           |                           |       |
| 3546        | Hayward's H Dehydrated<br>Alfalfa Meal           | 9.54      | 17.00                     | 17.75 |
|             | H. P. HOOD & SONS, INC.,<br>Dunedin, Fla.        |           |                           |       |
| 3828        | Hood Citrus Pulp                                 | 11.05     | 6.00                      | 6.00  |
|             | E. C. & W. L. HOPKINS,<br>INC., Greenfield, N.H. |           |                           |       |
| 3701        | Granite State Rabbit Pellets                     | 9.50      | 18.00                     | 19.25 |
| 3570        | Produlac                                         | 10.96     | ....                      | 27.00 |
| 3696        | Special 16% Dairy Pellets<br>(VAIDA)             | 10.24     | 16.00                     | 16.50 |
|             | ILLINOIS CEREAL MILLS,<br>INC., Paris, Ill.      |           |                           |       |
| 3801        | Hominy Feed                                      | 11.37     | 10.00                     | 11.00 |

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Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |             | Fiber                               |       |                                                                                |
|-------------------------------------|-------------|-------------------------------------|-------|--------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found | Medicants                                                                      |
| 3.00                                | 3.73        | 5.00                                | 3.97  | Piperazine hydrochloride:<br>Guar., 0.4%; found,<br>0.33%.                     |
| 2.00                                | 3.93        | 5.00                                | 3.15  | Oxytetracycline hydrochlor-<br>ide: Guar., 100 gms/ton;<br>found, 116 gms/ton. |
| 4.00                                | 4.29        | 6.50                                | 4.32  |                                                                                |
| 2.50                                | 5.36        | 4.50                                | 3.19  |                                                                                |
| 2.50                                | 4.56        | 6.00                                | 4.06  |                                                                                |
| 1.75                                | 3.46        | 27.00                               | 19.36 |                                                                                |
| 2.70                                | <u>2.00</u> | 15.00                               | 11.47 |                                                                                |
| 3.00                                | 3.92        | 13.00                               | 12.28 |                                                                                |
| ....                                | 8.64        | ....                                | 6.62  |                                                                                |
| ....                                | 3.96        | ....                                | 8.45  |                                                                                |
| 5.00                                | 6.38        | 6.00                                | 4.32  |                                                                                |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                                 | Manufacturer and brand                                                  | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------------------------------------------------------|-------------------------------------------------------------------------|-----------|---------------------------|-------|
|                                                             |                                                                         |           | Guaran-teed not less than | Found |
| INDUSTRIAL MOLASSES<br>CORP., Leonia, N.J.                  |                                                                         |           |                           |       |
| 3775                                                        | Dried Beet Pulp                                                         | 10.50     | 7.00                      | 9.25  |
| INTERNATIONAL CHEESE<br>CO., INC., Hinesburg, Vt.           |                                                                         |           |                           |       |
| 4078                                                        | Dried Whole Whey                                                        | 5.00      | 11.00                     | 12.75 |
| INTERNATIONAL MILLING<br>CO., INC., Minneapolis,<br>Minn.   |                                                                         |           |                           |       |
| 3911                                                        | Blackhawk Wheat Bran--<br>Ground Mixed Screenings                       | 12.46     | 13.50                     | 17.00 |
| 3767                                                        | Blackhawk Wheat Middlings--<br>Ground Mixed Screenings                  | 11.86     | 14.00                     | 16.00 |
| INTER-STATE COMMODI-TIES, INC., Troy, N.Y.                  |                                                                         |           |                           |       |
| 1698                                                        | Brewers Dried Grains                                                    | 8.61      | 26.00                     | 30.25 |
| KELLOGG COMPANY,<br>Battle Creek, Mich.                     |                                                                         |           |                           |       |
| 4335                                                        | Kellogg's Hominy Feed                                                   | 10.69     | 9.50                      | 12.00 |
| KELLOGG CO. of CANADA,<br>LTD., London, Ontario,<br>Canada  |                                                                         |           |                           |       |
| 3687                                                        | Kellogg's Hominy Feed                                                   | 10.50     | 10.00                     | 11.25 |
| SPENCER KELLOGG DIV. of<br>TEXTRON INC., Minneapolis, Minn. |                                                                         |           |                           |       |
| 3544                                                        | Spencer Kellogg's 31% Protein<br>Old Process (Expeller)<br>Linseed Meal | 12.31     | 31.00                     | 34.50 |

## INSPECTION OF 1964

| Guaran-   | Fat   | Guaran-   | Fiber |           |
|-----------|-------|-----------|-------|-----------|
| teeed not |       | teeed not |       | Medicants |
| less      |       | more      |       |           |
| than      | Found | than      | Found |           |
| 0.30      | 0.73  | 22.50     | 19.60 |           |
| ....      | ....  | 0.50      | 0.36  |           |
| 2.50      | 4.47  | 12.00     | 10.62 |           |
| 3.00      | 4.51  | 9.50      | 9.38  |           |
| ....      | 5.50  | ....      | 14.90 |           |
| 6.50      | 6.54  | 4.50      | 4.85  |           |
| 9.00      | 9.46  | 4.50      | 4.16  |           |
| 3.50      | 3.34  | 11.00     | 7.89  |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                         | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|--------------------------------------------------------------------------------|---------------|-------------------------------------|-------|
|             |                                                                                |               | Guaran-<br>teed not<br>less<br>than | Found |
|             | KEYSTONE DEHYDRATORS,<br>Nazareth, Penn.                                       |               |                                     |       |
| 3643        | Keystone Super Green Dehy.<br>Alfalfa Meal-Ethoxyquin                          | 7.99          | 17.00                               | 17.00 |
|             | KRAFT FOODS, Division of<br>National Dairy Products<br>Corp., Chicago, Ill.    |               |                                     |       |
| 4305        | Kaff-A Feed Booster Pellets<br>for Heifer, Cows, Beef<br>Cattle, Lambs & Sheep | 9.12          | 26.00                               | 27.50 |
| 4216        | Kaff-A Milk Replacer for<br>Calves Medicated                                   | 5.41          | 22.00                               | 23.75 |
|             | KRAUSE MILLING CO.,<br>Milwaukee, Wis.                                         |               |                                     |       |
| 3816        | Badger Yellow Hominy Feed                                                      | 11.39         | 10.00                               | 11.00 |
|             | KUDER PULP SALES CO.,<br>Lake Alfred, Fla.                                     |               |                                     |       |
| 3612        | Kuder Dried Citrus Pulp,<br>High Sugar                                         | 9.39          | 6.00                                | 6.00  |
|             | LAUHOFF GRAIN CO.,<br>Danville, Ill.                                           |               |                                     |       |
| 3674        | Vermilion Hominy Feed                                                          | 11.73         | 9.00                                | 11.06 |

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Indicates deficiencies.

INSPECTION OF 1964

Fat		Fiber		
Guaran-		Guaran-		Medicants
teed not		teed not		
less		more		
than	Found	than	Found	
2.00	2.88	27.00	28.14	
4.50	8.06	3.50	2.92	
13.00	14.71	2.00	0.77	Chlortetracycline hydrochloride: Guar., 35 gms/ton ; not determined. Oxytetracycline hydrochloride: Guar., 35 gms/ton ; not determined.
5.00	7.37	6.00	4.43	
2.50	2.42	15.00	12.33	
5.00	5.90	6.00	4.22	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois- ture	Protein (N x 6.25)	
			Guaran- teed not less than	Found
	THE LIBNER GRAIN CO., Norwalk, Conn.			
3595	Libner's Blue Ribbon Horse & Calf Ration	11.84	10.50	12.25
	LOCKWOOD NUTRITION SERVICE, INC., Grain & Flour Exchange, Boston, Mass.			
4321	Doughnut Mix	7.64	....	10.00
	MACHNICKI'S GRAIN STORE, Jewett City, Conn.			
3566	Machnicki's Hi-Energy All Mash Layer	11.78	15.00	15.75
4319	Machnicki's Special 16% Dairy Pellets	10.52	16.00	16.00
	THE MANITOBA SUGAR CO., LTD., Winnipeg, Manitoba, Canada			
3849	Plain Dried Beet Pulp	10.91	7.00	8.75
	MAXON MILLS, INC., Wassaic, N.Y.			
4234	Maxon 16% Test	12.81	16.00	16.00
4235	Maxon 18% Test	12.91	18.00	<u>16.50</u>
	MINER-HILLARD MILLING CO., Wilkes Barre, Penn.			
3571	Choice Steam Cooked Hominy Feed	10.91	10.00	11.50

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Indicates deficiencies.

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## INSPECTION OF 1964

| <u>Fat</u>               | <u>Fiber</u>             |       |             | Medicants |
|--------------------------|--------------------------|-------|-------------|-----------|
| Guaranteed not less than | Guaranteed not more than | Found | Found       |           |
| 3.50                     | 4.21                     | 7.00  | <u>8.02</u> |           |
| ....                     | 9.54                     | ....  | 0.36        |           |
| 3.50                     | 3.71                     | 4.00  | 4.08        |           |
| 4.00                     | 4.71                     | 8.00  | 7.65        |           |
| 0.30                     | 2.01                     | 22.50 | 19.55       |           |
| 4.00                     | 3.96                     | 9.00  | 6.25        |           |
| 4.00                     | 8.27                     | 9.00  | 5.24        |           |
| 5.00                     | 5.81                     | 5.00  | 4.24        |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                          | Mois-ture | Protein<br>(N x 6.25)           |       |
|-------------|-----------------------------------------------------------------|-----------|---------------------------------|-------|
|             |                                                                 |           | Guaran-teed not<br>less<br>than | Found |
|             | MINNESOTA LINSEED OIL<br>CO., Minneapolis, Minn.                |           |                                 |       |
| 3602        | Minnesota Solvent Extracted<br>Linseed Meal 32% Protein         | 11.67     | 32.00                           | 33.25 |
|             | MOLSON'S BREWERY (ONT.)<br>LTD., Toronto, Canada                |           |                                 |       |
| 3691        | Molson's Brewers Dried<br>Grains                                | 9.10      | 24.00                           | 25.13 |
|             | GEO. Q. MOON & CO.,<br>INC., Binghamton, N. Y.                  |           |                                 |       |
| 4163        | Moon Rabbit Pellets                                             | 9.81      | 15.00                           | 16.75 |
| 4164        | Moon Scratch Feed                                               | 11.47     | 9.00                            | 10.00 |
|             | MOWAT, WILSON & CO.,<br>Detroit, Mich.                          |           |                                 |       |
| 3503        | Dried Beet Pulp                                                 | 11.97     | 7.00                            | 9.50  |
|             | MT. VERNON MILLING<br>CO., Mt. Vernon, Ind.                     |           |                                 |       |
| 3718        | Sunlite Hominy Feed                                             | 8.92      | 10.00                           | 11.25 |
|             | MURPHY GRAIN & MILLING<br>CO., Owensboro, Ky.                   |           |                                 |       |
| 3863        | Airolite Hominy Feed                                            | 10.00     | 9.00                            | 9.75  |
|             | NATIONAL ALFALFA DEHY-<br>DRATING & MILLING CO.,<br>Lamar, Col. |           |                                 |       |
| 3711        | Jack Rabbit 15% Protein<br>Dehy. Alfalfa Meal                   | 5.62      | 15.00                           | 16.00 |

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Indicates deficiencies.

INSPECTION OF 1964

Fat		Fiber		Medicants
Guaran-	Guaran-	Guaran-	teeed not	
teeed not	teeed not	teeed not	more	
less	more	less	than	Found
than	than	than	than	Found
0.50	2.22	11.00	9.51	
7.00	<u>6.05</u>	14.50	<u>15.30</u>	
2.50	3.78	12.00	11.27	
2.00	3.32	5.00	4.64	
0.30	1.01	22.50	19.85	
5.00	6.41	6.00	4.66	
6.00	7.35	6.00	3.88	
1.50	3.38	30.00	27.62	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaranteed not less than	Found
	NATIONAL ALFALFA DEHYDRATING & MILLING CO., Kansas City, Mo.			
3882	National Pro 17 17% Dehy. Alfalfa Meal	7.76	17.00	18.00
	NATIONAL BISCUIT CO., (Toledo Mill), Toledo, Ohio			
3590	Pure Wheat Bran	11.96	13.00	13.00
	NATIONAL DISTILLERS PRODUCTS CO., Div. of National Distillers & Chemical Corp., New York, N.Y.			
4313	Produlac Brand Corn Dis-tillers Dried Solubles-- Grains	8.56	25.00	27.50
	NORTHERN OHIO SUGAR CO., Findlay, Ohio			
3704	GW Dried Beet Pulp	10.31	8.00	9.75
	OGDEN GRAIN CO., Utica, N.Y.			
4067	C. L. Special 16	11.38	16.00	17.00
3631	Delaware Middlesex All-Mash Layer	11.40	16.00	16.25
4064	Distillers	9.86	....	25.50
4105	Eastern Conn. Grain Associates Chick Starter Mash Medicated	10.14	20.00	20.00

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Indicates deficiencies.

## INSPECTION OF 1964

| Fat                      |                          | Fiber                    |             | Medicants                                     |
|--------------------------|--------------------------|--------------------------|-------------|-----------------------------------------------|
| Guaran-                  | Guaran-                  | Guaran-                  |             |                                               |
| teed not<br>less<br>than | teed not<br>more<br>than | teed not<br>more<br>than | Found       |                                               |
| 1.50                     | 3.69                     | 27.00                    | 23.53       |                                               |
| 3.00                     | 4.31                     | 10.00                    | 8.92        |                                               |
| 8.00                     | 9.79                     | 9.00                     | 7.13        |                                               |
| ....                     | ....                     | 22.50                    | 18.88       |                                               |
| 3.50                     | <u>2.91</u>              | 8.50                     | <u>9.62</u> |                                               |
| 4.00                     | 5.06                     | 4.00                     | 4.51        |                                               |
| ....                     | 8.37                     | ....                     | 10.01       |                                               |
| 3.00                     | 3.94                     | 4.50                     | 4.21        | Amprolium: Guar., 0.0125%;<br>found, 0.0109%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                         | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------|------------------------------------------------|-----------|---------------------------|-------|
|             |                                                |           | Guaran-teed not less than | Found |
| 4075        | Eastern Conn. Grain Asso-ciates Growing Mash   | 11.44     | 15.00                     | 15.25 |
| 3708        | Eastern Conn. Grain Asso-ciates Recycler No. 2 | 10.55     | 17.00                     | 16.25 |
| 3707        | 14% Grain Ration                               | 11.01     | 14.00                     | 15.50 |
| 4068        | Ogden Complete Grower                          | 10.24     | 16.00                     | 18.50 |
| 3632        | Ogden Davis Dairy Pellets                      | 11.02     | 16.00                     | 16.00 |
| 3630        | Ogden Doc 16% Dairy                            | 10.79     | 16.00                     | 18.25 |
| 3709        | Ogden Doc 20% Dairy                            | 10.72     | 20.00                     | 21.75 |
| 4113        | Ogden Hi-Energy Laying Medicated               | 9.62      | 16.00                     | 16.00 |
| 4061        | Ogden 16% Hi-Kal Dairy Pellets                 | 10.31     | 16.00                     | 18.50 |
| 4066        | Ogden 18% Hi-Kal Dairy Pellets                 | 9.78      | 18.00                     | 20.50 |
| 3638        | Ogden Horse Feed                               | 12.81     | 10.00                     | 13.50 |
| 3634        | Ogden Life Span 15                             | 11.61     | 15.00                     | 16.75 |
| 4097        | Ogden Medicated Complete Calf Starter          | 12.06     | 18.00                     | 19.50 |
| 4073        | Ogden Milk Replacer                            | 4.78      | 21.00                     | 22.25 |
| 4060        | Ogden Old Reliable 16 Dairy Ration             | 11.56     | 16.00                     | 16.00 |
| 4063        | Ogden Premium Dry & Freshening Ration          | 11.44     | 14.00                     | 15.00 |
| 4059        | Ogden Premium 16 Hi-Energy Dairy Pellets       | 10.50     | 16.00                     | 18.63 |
| 4035        | Ogden Premium 16 Pel-Flake                     | 12.27     | 16.00                     | 17.50 |
| 3635        | Ogden Premium 18 Pel-Flake                     | 11.96     | 18.00                     | 18.00 |
| 4065        | Ogden Premium Test Cow 16                      | 11.31     | 16.00                     | 18.00 |
| 4033        | Ogden Premium Test Cow 18                      | 11.13     | 18.00                     | 20.00 |
| 4031        | Ogden Rabbit Pellets                           | 10.15     | 18.00                     | 17.25 |
| 3633        | Ogden R.S. 10 Roughage Supplement              | 10.54     | 10.00                     | 11.00 |
| 4032        | Ogden Scratch Grains                           | 11.81     | 9.00                      | 9.50  |
| 4053        | Ogden Super Hi-Energy Laying                   | 9.46      | 20.00                     | 20.25 |
| 3710        | Super 16% Dairy Ration                         | 11.42     | 16.00                     | 16.00 |

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Indicates deficiencies.

INSPECTION OF 1964

Fat		Fiber		Medicants
Guaran-	Guaran-	Guaran-	teeed not more than	
teeed not less than	Found	teeed not more than	Found	
3.00	3.89	4.50	4.53	
4.00	4.91	4.00	3.21	
3.50	4.04	7.00	6.39	
3.50	3.58	4.00	5.31	
3.00	3.53	9.00	8.27	
4.00	3.61	8.00	11.87	
3.50	3.80	8.00	8.10	
				Arsanilic acid: Guar., 0.0100%; found, 0.0081%.
4.00	4.11	4.00	3.92	
4.00	4.12	8.00	7.84	
4.00	3.74	8.00	7.87	
3.00	3.01	9.00	6.25	
3.50	3.08	7.00	7.71	
3.00	2.91	7.00	6.48	Chlortetracycline hydrochloride: Guar., 0.025 gms/lb.; found, 0.024%.
8.50	8.24	0.50	0.55	
3.00	3.44	9.00	8.59	
3.50	3.12	8.00	7.35	
3.50	3.60	6.50	7.17	
4.00	3.63	8.00	7.25	
4.00	3.77	8.00	7.35	
3.50	3.19	8.00	8.13	
3.50	3.24	8.00	8.52	
3.00	3.67	12.00	8.72	
2.00	2.37	20.00	11.74	
3.00	3.61	6.00	3.48	
4.50	4.54	4.00	4.55	
3.50	4.11	8.00	6.74	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois- ture	Protein (N x 6.25)	
			Guaran- teed not less than	Found
	THE OGILVIE FLOUR MILLS CO., LTD., Montreal, Canada			
3585	Ogilvie Wheat Bran	11.09	15.00	17.00
	PARRISH & HEIMBECKER, LTD., Toronto, Ontario, Canada			
4154	Parrheim Pure Wheat Bran	12.44	14.00	15.75
3621	"Parrheim" Pure Wheat Shorts	11.88	14.00	17.00
	CHAS. PFIZER & CO., INC., New York 17, N. Y.			
3640	Pfizer Vigofac-6 fermenta- tion Product	10.00	14.00	22.50
	PIERCE GRAIN CORP., Buffalo, N. Y.			
3700	Reliance Coarse Calf Meal	11.06	20.00	21.25
3695	Reliance Horse Feed For- tified	12.69	11.00	11.75
3694	Sweet Sweet Mix	11.50	6.00	9.50
	PILLSBURY CANADA LTD., Midland, Ontario, Canada			
4165	Dandy Wheat Bran	11.21	14.00	16.50
4334	Dandy Wheat Shorts	11.05	15.00	17.50
	PITTSBURGH BREWING CO., Pittsburgh, Penn.			
4279	Iron City Brewers Dried Grains	6.29	24.00	28.75

INSPECTION OF 1964

Guaran- teed not less than	Found	Guaran- teed not more than	Found	Fiber	Medicants
3.50	5.24	12.00	11.78		
3.50	4.59	11.50	10.60		
3.50	5.13	8.00	7.35		
0.50	0.72	8.00	4.97		
3.00	3.90	8.00	6.75		
3.00	3.26	8.00	6.33		
1.00	2.30	12.00	12.10		
3.50	5.07	11.50	10.00		
4.00	5.03	8.00	6.26		
6.00	0.91	18.00	12.61		

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaran-teed not less than	Found
THE QUAKER OATS CO., Chicago, Ill.				
3597	Ful-O-Pep Derwood Horse Crunch	10.01	15.00	15.75
3604	Yellow Hominy Feed S	11.39	10.00	11.25
THE QUAKER OATS CO. of CANADA LTD., Peterborough, Ontario, Canada				
3689	Hominy Feed	9.31	9.00	10.25
RALSTON PURINA CO., St. Louis, Mo.				
4034	Crimped Whole Oats & Molasses A902	11.47	11.00	10.50
3851	Northeastern Scratch Feed 6735	13.09	9.00	9.25
3886	41% Protein Solvent Extracted Cottonseed Meal	9.73	41.00	40.50
4020	44% Protein Solvent Extracted Soybean Meal	11.31	44.00	44.00
3603	34% Protein (Solvent Process) Linseed Oil Meal	12.21	34.00	34.00
3607	Purina B & M Cow Chow 1432	13.59	16.00	16.00
3951	Purina Broiler Chow Finisher No. 1 MP Med. 7207	10.06	20.00	21.50
3952	Purina Broiler Chow Starter MP Medicated 7009	10.42	23.00	23.75
4408	Purina Broiler Chow Starter NC Medicated 7003	11.26	23.00	24.75

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Fat		Fiber		Medicants
Guaran-	Guaran-	Guaran-	Guaran-	
teed not less than	teed not more than	teed not more than	Found	
4.00	4.42	10.00	8.25	
5.00	6.56	7.00	4.32	
6.00	8.34	7.00	4.59	
4.00	5.41	12.00	8.84	
2.00	3.17	5.00	3.88	
1.00	2.81	14.00	12.37	
0.50	1.39	7.00	6.37	
0.50	2.18	9.50	8.68	
2.50	2.61	10.00	5.54	Amprolium: Guar., 0.0125%; found, 0.0102%. Ethopabate: Guar., 0.0004%; found, 0.00042%.
4.50	8.66	4.50	2.64	Amprolium: Guar., 0.0125%; found, 0.0106%. Ethopabate: Guar., 0.0004%; found, 0.00043%.
4.50	7.14	4.50	1.23	Amprolium: Guar., 0.0125%; found, 0.0106%. Ethopabate: Guar., 0.0004%; found, 0.00043%.
4.50	5.98	4.50	2.16	3-Nitro-4-hydroxyphenylar- sonic acid: Guar., 0.0050%; found, 0.0053%. Nicarbazin: Guar., 0.0125%; found, 0.0136%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaran-teed not less than	Found
3979	Purina Bulky Las 1960 M	13.35	10.00	10.75
4336	Purina Calf Startena 1014	10.65	19.50	20.25
3984	Purina Calf Startena (Coarse) 1012	11.57	19.50	19.50
4054	Purina Chick Chow (Coarse) 6715	12.55	9.00	9.25
3853	Purina Chick Chow (Fine) 6710	12.96	9.00	9.25
3855	Purina Chick Growena 6101	10.78	17.00	17.00
4379	Purina Chick Growena ZO Medicated 6109	10.80	17.00	17.00
4375	Purina Chick Starter (J) ZO-V Medicated 6011	12.36	18.00	19.25
3981	Purina Cow Chow D 16% 1420 C	11.61	16.00	16.00
4332	Purina Cow Chow D (B) 16% 1421	10.67	16.00	16.25
3885	Purina Dairy Chow L 14% (Coarse) 1468	9.96	14.00	15.00
3982	Purina Dairy Chow L 16% 1472 C	11.61	16.00	16.75
4220	Purina .0023 Dienestrol Diacetate Mixture in Purina Roaster Chow NC (7352)	11.31	15.00	18.38
3606	Purina D & F Chow (Coarse) 1101	11.88	12.50	12.88
4291	Purina D & F Chow (Pellets) 1120	11.10	12.50	13.25
4295	Purina Drouth Milk Chow 1585	12.12	16.00	16.75
3888	Purina Duck Growena 8815	10.56	16.00	18.50
4023	Purina Duck Startena 8801 C	9.90	20.00	21.50
4021	Purina Egg Chow T 6615	10.74	20.00	20.25
4331	Purina Game Bird Breeder Layena (Complete Ration) 5438	10.11	20.00	21.75
3986	Purina Game Bird F & M Chow 5431 C	10.94	19.00	20.50
3890	Purina Game Bird Finisher 5425	9.75	20.00	21.25

INSPECTION OF 1964

Fat		Fiber		Medicants
Guaran- teed not less than	Found	Guaran- teed not more than	Found	
1.00	1.92	15.00	12.36	
5.00	7.76	11.00	6.57	
2.50	3.71	8.00	6.38	
2.00	3.04	4.00	1.55	
2.00	4.56	4.00	1.77	
3.00	5.00	7.00	4.55	
3.00	3.93	7.00	3.68	Zoalene: Guar., 0.0083%; found, 0.0070%.
3.00	4.52	6.00	4.45	Zoalene: Guar., 0.0083%; found, 0.0081%.
2.50	3.63	6.00	5.42	
2.50	4.61	6.00	5.39	
2.50	4.29	10.00	9.48	
2.50	4.42	12.00	11.09	Nicarbazin: Guar., 0.0125%; found, 0.0126%. Dienestrol diacetate: Guar., 0.0023%; found, 0.0023%.
4.00	8.55	4.50	2.58	
2.50	3.16	11.00	8.62	
2.50	3.60	11.00	9.30	
2.50	3.63	6.00	3.08	
3.00	3.69	5.00	3.45	
3.00	4.37	6.00	3.51	
3.00	3.54	7.00	4.92	
2.50	3.87	7.00	4.54	
2.00	3.81	12.00	6.42	
2.50	5.78	6.00	4.12	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaranteed not less than	Found
4111	Purina Game Bird Startena SQ Medicated 5420	9.56	30.00	32.00
4292	Purina Goat Chow (Coarse) 5501	12.42	16.00	16.00
3987	Purina Hen Chow D 6765	12.94	9.00	10.00
4401	Purina Hog Finisher No. 1 Medicated 2210	12.04	14.00	14.00
3823	Purina Horse Chow Checkers 3501	8.87	12.50	14.50
3852	Purina Layena CF 6501	11.25	16.00	16.50
4451	Purina Medicated Breeder Eggema (NE) FZ No. 4 6445	12.25	16.00	16.00
4004	Purina Medicated Breeder Eggema (NE) HX2-- 6448	10.37	16.00	16.75
2699	Purina Medicated Chek-R-Aid	12.06	20.00	21.25
4017	Purina Medicated Pig Startena	10.61	18.00	20.75
4022	Purina Mink Developer Concentrate	9.44	18.00	19.50
4333	Purina Milk Chow D 16% 1445	10.67	16.00	18.00
3608	Purina Milk Chow D 16% (Coarse) 1446	11.88	16.00	16.50
4288	Purina Milk Chow D 20% (Coarse) 1454	11.01	20.00	21.25
4289	Purina Milk Chow D 20% (Pellets) 1453	10.97	20.00	21.00

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Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |             | Fiber                               |             | Medicants                                                                                                                                                                                   |
|-------------------------------------|-------------|-------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found       |                                                                                                                                                                                             |
| 2.50                                | 3.12        | 6.50                                | 4.80        | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0179%.                                                                                                                                           |
| 3.00                                | 4.06        | 9.00                                | 6.32        |                                                                                                                                                                                             |
| 2.00                                | 3.18        | 5.00                                | 2.27        |                                                                                                                                                                                             |
| 2.50                                | 4.31        | 7.00                                | 3.57        | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.0050%;<br>found, 0.0043%.                                                                                                                |
| 1.50                                | 3.43        | 25.00                               | 22.98       |                                                                                                                                                                                             |
| 3.50                                | 4.48        | 4.50                                | 3.39        |                                                                                                                                                                                             |
| 3.00                                | 4.62        | 4.50                                | 2.97        | Furazolidone: Guar., 0.0220%; found, 0.0211%.                                                                                                                                               |
| 3.00                                | 4.29        | 4.50                                | 3.14        | Hygromycin B: Guar., 0.006 gms/lb.; not detd.                                                                                                                                               |
| 4.50                                | ....        | 4.50                                | <u>5.81</u> | Furazolidone: Guar., 0.011%;<br>not determined. Chlortetra-<br>cycline hydrochloride: Guar.,<br>50 gms/ton; found, 51.61<br>gms/ton. Oxytetracycline:<br>50 gms/ton; not determined.        |
| 4.00                                | 4.81        | 5.00                                | 3.83        | Sulfamethazine: Guar., 0.011%;<br>not determined. Penicillin:<br>Guar., 50 gms/ton; not<br>determined. Chlortetracyc-<br>line hydrochloride: Guar.,<br>100 gms/ton; found, 96.0<br>gms/ton. |
| 4.00                                | <u>3.24</u> | 7.00                                | 6.32        |                                                                                                                                                                                             |
| 2.50                                | 4.17        | 9.00                                | 7.11        |                                                                                                                                                                                             |
| 2.50                                | 3.39        | 9.00                                | 6.68        |                                                                                                                                                                                             |
| 2.50                                | 3.72        | 9.00                                | 6.57        |                                                                                                                                                                                             |
| 2.50                                | 4.24        | 9.00                                | 7.46        |                                                                                                                                                                                             |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                              | Mois-ture | Protein<br>(N x 6.25)    |       |
|-------------|-----------------------------------------------------|-----------|--------------------------|-------|
|             |                                                     |           | Guaranteed not less than | Found |
| 3983        | Purina Milk Chow D (U) 16%<br>1433 C                | 12.17     | 16.00                    | 17.00 |
| 4029        | Purina Milk Chow D (U) 16%<br>(Coarse) 1434 M       | 10.80     | 16.00                    | 16.88 |
| 4330        | Purina Nursing Chow                                 | 6.17      | 25.00                    | 26.50 |
| 4014        | Purina Nursing Chow Med.                            | 4.91      | 22.00                    | 23.75 |
| 3850        | Purina Omolene 3505                                 | 13.32     | 10.00                    | 10.00 |
| 4294        | Purina Pigeon Chow Checkers<br>5405                 | 11.64     | 15.00                    | 15.00 |
| 3884        | Purina Pro-Lay Egguna 6580                          | 10.81     | 15.00                    | 15.75 |
| 4381        | Purina Pullet Developer (F)<br>ZO Medicated 6175    | 12.61     | 13.00                    | 14.25 |
| 3889        | Purina Rabbit Chow Checkers<br>5301                 | 9.74      | 15.00                    | 15.00 |
| 3985        | Purina Rabbit Chow Checkers<br>(20%) 5325 C         | 9.77      | 20.00                    | 20.00 |
| 4450        | Purina Rabbit Chow Checkers<br>FZ SQ Medicated 5310 | 10.06     | 15.00                    | 15.50 |
| 3825        | Purina Rabbit Chow Checkers<br>WO 5320              | 9.49      | 15.00                    | 15.00 |
| 4287        | Purina Range Checkers A<br>3110                     | 10.48     | 20.00                    | 21.25 |
| 3887        | Purina Roaster Chow 7346                            | 11.06     | 15.00                    | 18.00 |
| 4452        | Purina Turkey Finisher No. 1<br>HZ Medicated 8233   | 12.24     | 15.00                    | 17.00 |
| 4447        | Purina Turkey Finisher No. 2<br>HZ Medicated 8253   | 12.34     | 13.50                    | 15.25 |
| 3610        | Purina Turkey Finisher No. 2<br>(Pellets) 8250      | 11.44     | 13.50                    | 13.75 |
| 3980        | Purina Turkey Growena No. 1<br>8101                 | 11.52     | 23.00                    | 25.00 |
| 3609        | Purina Turkey Growena No. 2<br>8130 (Pellets)       | 10.78     | 20.00                    | 20.50 |
| 4329        | Purina Turkey Startena 8040                         | 9.60      | 27.00                    | 28.25 |
| 3601        | Wheat Middlings                                     | 11.90     | 15.00                    | 15.00 |

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| Fat                                 |       | Fiber                               |       | Medicants                                                                                       |
|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                 |
| 2.50                                | 4.12  | 9.00                                | 7.67  |                                                                                                 |
| 2.50                                | 4.03  | 9.00                                | 7.05  |                                                                                                 |
| 2.50                                | 3.59  | 1.50                                | 0.94  |                                                                                                 |
| 8.00                                | 8.12  | 0.50                                | 0.25  | Chlortetracycline hydrochloride: Guar., 50 gms/ton ; found, 60.0 gms/ton.                       |
| 2.00                                | 5.02  | 9.00                                | 6.35  |                                                                                                 |
| 2.50                                | 3.91  | 6.00                                | 3.55  |                                                                                                 |
| 3.00                                | 4.53  | 4.50                                | 3.12  |                                                                                                 |
| 2.50                                | 4.36  | 9.00                                | 5.22  | Zoalene: Guar., 0.0083%; found, 0.0072%.                                                        |
| 2.00                                | 3.00  | 18.00                               | 14.18 |                                                                                                 |
| 2.00                                | 3.14  | 16.00                               | 13.81 |                                                                                                 |
| 2.00                                | 3.94  | 18.00                               | 13.85 | Furazolidone: Guar., 0.0055%; found, 0.0063%. Sulfaquinoxaline: Guar., 0.0250%; found, 0.0250%. |
| 2.00                                | 4.36  | 18.00                               | 11.48 |                                                                                                 |
| 1.50                                | 3.46  | 10.00                               | 9.50  |                                                                                                 |
| 4.00                                | 6.17  | 4.50                                | 2.23  |                                                                                                 |
| 3.50                                | 4.41  | 4.50                                | 3.18  | Hepzide: Guar., 0.030%; found, 0.029%.                                                          |
| 3.50                                | 4.41  | 4.50                                | 2.80  | Hepzide: Guar., 0.03%; found, 0.032%.                                                           |
| 3.50                                | 4.60  | 4.00                                | 3.41  |                                                                                                 |
| 3.00                                | 3.74  | 6.50                                | 4.79  |                                                                                                 |
| 3.00                                | 4.95  | 6.00                                | 4.14  |                                                                                                 |
| 3.00                                | 5.04  | 5.50                                | 3.99  |                                                                                                 |
| 4.00                                | 4.32  | 9.50                                | 8.94  |                                                                                                 |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                                   | Manufacturer and brand                      | Mois-ture | Protein<br>(N x 6.25)    |       |
|---------------------------------------------------------------|---------------------------------------------|-----------|--------------------------|-------|
|                                                               |                                             |           | Guaranteed not less than | Found |
| <b>JOSEPH E. SEAGRAM &amp; SONS,<br/>INC., New York, N.Y.</b> |                                             |           |                          |       |
| 4079                                                          | Seagram's Corn Distillers<br>Dried Solubles | 5.81      | 25.00                    | 29.25 |
| <b>SEYMOUR GRAIN &amp; COAL CO.,<br/>Seymour, Conn.</b>       |                                             |           |                          |       |
| 3653                                                          | Miracle 14% Calf Grower                     | 12.06     | 14.00                    | 14.25 |
| 4133                                                          | Miracle Calf Milk Replacer                  | 5.62      | 21.00                    | 21.25 |
| 4155                                                          | Miracle Dairy 16%                           | 12.87     | 16.00                    | 16.00 |
| 3650                                                          | Miracle Hi-Efficiency Grower                | 11.13     | 16.00                    | 17.25 |
| 3648                                                          | Miracle Hi-Energy All-Mash<br>Layer         | 11.22     | 16.50                    | 18.50 |
| 4286                                                          | Miracle Hi-Q 18% Dairy<br>(1/2 Pellets)     | 12.04     | 18.00                    | 21.75 |
| 3651                                                          | Miracle Horse Feed with<br>Molasses         | 12.03     | 10.00                    | 10.25 |
| 3664                                                          | Miracle 20% Laying Mash                     | 10.27     | 20.00                    | 21.13 |
| 3940                                                          | Miracle Starter-Broiler<br>Medicated        | 11.71     | 20.00                    | 23.25 |
| 3649                                                          | See-More-Milk Dairy Ration                  | 11.93     | 18.00                    | 18.00 |
| 3652                                                          | See-More-Milk Dairy Ration                  | 12.04     | 20.00                    | 20.00 |
| <b>SHERWOOD FEED MILLS,<br/>INC., Baltimore, Md.</b>          |                                             |           |                          |       |
| 3565                                                          | Brewer's Dried Grains                       | 9.60      | 26.00                    | 26.00 |
| <b>F. W. STOCK &amp; SONS, INC.,<br/>Hillsdale, Mich.</b>     |                                             |           |                          |       |
| 3763                                                          | Stock's Wheat Bran                          | 14.46     | 13.00                    | 15.25 |

## INSPECTION OF 1964

| Fat       |             | Fiber     |       |                                                                          |
|-----------|-------------|-----------|-------|--------------------------------------------------------------------------|
| Guaran-   |             | Medicants |       |                                                                          |
| teeed not | teeed not   |           |       |                                                                          |
| less      | more        |           |       |                                                                          |
| than      | Found       | than      | Found |                                                                          |
| 5.00      | 8.35        | 5.00      | 3.90  |                                                                          |
| 3.00      | 3.47        | 8.00      | 5.60  |                                                                          |
| 8.50      | <u>6.37</u> | 0.50      | 0.40  | Chlortetracycline hydrochloride: Guar., 30 gms/ton; found, 30.4 gms/ton. |
| 3.50      | 3.99        | 8.50      | 5.58  |                                                                          |
| 3.00      | 4.28        | 5.50      | 4.51  |                                                                          |
| 4.25      | 4.40        | 4.75      | 3.22  |                                                                          |
| 4.00      | 4.27        | 4.00      | 4.50  |                                                                          |
| 3.50      | 3.61        | 9.00      | 6.13  |                                                                          |
| 3.00      | 3.36        | 6.50      | 4.18  | Sulfaquinoxaline: Guar., 0.0125%; found, 0.0102%.                        |
| 3.50      | 3.93        | 4.50      | 3.58  |                                                                          |
| 3.50      | 3.71        | 8.50      | 6.35  |                                                                          |
| 3.00      | 3.44        | 9.50      | 5.92  |                                                                          |
| 5.00      | 5.44        | 15.00     | 14.02 |                                                                          |
| 2.75      | 4.94        | 12.00     | 10.48 |                                                                          |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                               | Manufacturer and brand                                | Mois-ture | Protein<br>(N x 6.25)     |       |
|-----------------------------------------------------------|-------------------------------------------------------|-----------|---------------------------|-------|
|                                                           |                                                       |           | Guaran-teed not less than | Found |
| <b>READING MILLING CO., INC.,<br/>Reading, Penn.</b>      |                                                       |           |                           |       |
| 3504                                                      | Faramel 16% All Mash Layer<br>(Pelleted)              | 11.32     | 16.00                     | 17.25 |
| 3510                                                      | Faramel Complete Rabbit<br>Pellets                    | 9.11      | 16.00                     | 18.50 |
| <b>RELIABLE GRAIN &amp; FUEL<br/>CO., Ansonia, Conn.</b>  |                                                       |           |                           |       |
| 4162                                                      | Reliable Sweet 16% Dairy<br>Ration                    | 13.29     | 16.00                     | 16.00 |
| <b>ROHLOFF BROS. INC.,<br/>Graytown, Ohio</b>             |                                                       |           |                           |       |
| 3913                                                      | Rohloff's Dehydrated Alfalfa<br>Meal--Animal Fat      | 9.72      | 15.00                     | 15.75 |
| <b>WOLF SAVITSKY &amp; SONS,<br/>INC., Shelton, Conn.</b> |                                                       |           |                           |       |
| 3754                                                      | Hominy Feed                                           | 11.11     | ....                      | 11.25 |
| 3542                                                      | Wolf's Calf Starter                                   | 13.26     | 18.00                     | 19.00 |
| 3738                                                      | Wolf's Complete Hi-Eff Egg<br>Breeder Mash Medicated  | 11.63     | 16.00                     | 16.50 |
| 3541                                                      | Wolf's Complete Hi-Eff<br>Growing Mash                | 12.30     | 16.00                     | 17.25 |
| 4260                                                      | Wolf's 16% Dairy Ration                               | 12.22     | 16.00                     | 16.00 |
| 4277                                                      | Wolf's Heifer Feed                                    | 11.99     | 12.00                     | 13.00 |
| 3938                                                      | Wolf's Hi-Speed Starter &<br>Broiler Ration Medicated | 11.62     | 20.50                     | 23.50 |
| 3972                                                      | Wolf's Horse Feed                                     | 12.93     | 12.00                     | 15.25 |
| 4446                                                      | Wolf's Medicated Complete<br>Hi-Eff Profit Builder    | 10.50     | 16.00                     | 18.25 |
| 4278                                                      | Wolf's 16% Test Ration                                | 13.20     | 16.00                     | 16.00 |
| 3540                                                      | Wolf's 18% Test Ration                                | 12.49     | 18.00                     | 18.75 |

~~~ Indicates deficiencies.

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| Fat | | Fiber | | Medicants |
|--------------------------|--------------------------|--------------------------|--------------------------|--|
| Guaran- | Guaran- | Guaran- | Guaran- | |
| teed not
less
than | teed not
more
than | teed not
more
than | teed not
more
than | |
| Found | Found | Found | Found | |
| 3.50 | 4.04 | 4.50 | 5.30 | |
| 3.00 | 3.21 | 15.00 | 16.32 | |
| 3.00 | 2.94 | 10.00 | 6.24 | |
| 2.50 | 3.81 | 30.00 | 29.17 | |
| .... | 7.16 | .... | 4.72 | |
| 2.75 | 3.78 | 9.00 | 7.28 | Arsanilic acid: Guar.,
0.0099%; found, 0.0098%. |
| 3.00 | 3.49 | 4.00 | 2.80 | |
| 3.00 | 3.67 | 4.00 | 3.23 | |
| 3.00 | 6.30 | 10.00 | 6.85 | |
| 3.00 | 4.41 | 9.00 | 8.81 | |
| 3.00 | 3.82 | 4.00 | 3.37 | Arsanilic acid: Guar.,
0.0099%; found, 0.0110%.
Sulfaquinoxaline: Guar.,
0.0175%; found, 0.0174%. |
| 2.75 | 3.48 | 10.00 | 7.30 | Furazolidone: Guar., 0.0110%
found, 0.0067%. |
| 3.00 | 3.71 | 4.00 | 3.10 | |
| 3.00 | 4.32 | 9.00 | 6.97 | |
| 3.00 | 4.29 | 9.00 | 6.05 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|-------------|---|-----------|---------------------------|-------|
| | | | Guaran-teed not less than | Found |
| | SUNI-CITRUS PRODUCTS CO., Haines City, Fla. | | | |
| 3899 | Sweet Suni-Citrus Pulp | 11.06 | 6.00 | 6.00 |
| | T. H. TAYLOR CO., LTD., Chatham, Ontario, Canada | | | |
| 3854 | Beaver Wheat Bran | 11.21 | 13.50 | 15.00 |
| | TEKLAD INC., Monmouth, Ill. | | | |
| 3693 | Rockland Rabbit Ration | 10.73 | 17.00 | 18.25 |
| | TROPICANA PRODUCTS INC., Bradenton, Fla. | | | |
| 3719 | Tropicana's Sweetest Dried Citrus Pulp | 9.06 | 6.00 | 6.00 |
| | ULTRA-LIFE LABORATORIES, INC., East St. Louis, Ill. | | | |
| 3669 | 17% Dehydrated Alfalfa Meal Pellets | 8.41 | 17.00 | 17.75 |
| 4158 | 32% Protein Solvent Extracted Linseed Meal | 10.80 | 32.00 | 33.50 |
| 4159 | Ultra-Life Broiler-Gro | 9.29 | 25.00 | 31.25 |
| 4285 | Ultra-Life Calf Food Pellets, Medicated | 8.96 | 24.00 | 26.50 |
| 3642 | Ultra-Life High Energy Poultry | 10.85 | 20.00 | 21.50 |
| 3641 | Ultra-Life Layer Recycler | 9.09 | 24.00 | 26.25 |
| 3666 | Ultra-Life Livestock | 7.79 | 13.00 | 15.00 |

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Indicates deficiencies.

## INSPECTION OF 1964

Guaran- teed not less than	Found	Guaran- teed not more than	Found	Fiber	Medicants
3.00	<u>2.28</u>	15.50	13.04		
3.00	5.04	11.50	10.58		
1.50	2.13	16.00	15.25		
2.00	2.29	12.00	11.86		
2.50	3.23	27.00	24.49		
0.50	1.84	11.00	8.96		
5.00	4.88	7.00	6.21		
3.00	4.23	7.00	6.49		
7.00	8.86	6.00	5.90		
6.00	7.18	5.00	3.45		
2.00	3.87	6.00	4.69		

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois- ture	Protein (N x 6.25)	
			Guaran- teed not less than	Found
<b>UNITED COOPERATIVE FARMERS INC., Fitchburg, Mass.</b>				
4258	UCF Calf Grower	11.77	20.00	21.75
3819	UCF 14% Dairy	11.05	14.00	15.50
4255	UCF 16% Dairy	10.24	16.00	17.50
4256	UCF 20% Dairy	11.81	20.00	<u>19.00</u>
4259	UCF Hi NRG All Mash Breeder	10.93	16.00	16.00
4254	UCF Hi NRG All Mash Grower	11.77	15.50	15.50
3822	UCF Hi NRG All Mash Layer	10.57	15.50	15.50
3817	UCF Hi NRG Lay Granules	10.59	15.50	15.50
4376	UCF Hi NRG Starter Med.	12.19	20.00	20.75
3815	UCF Horse Feed	12.16	9.00	12.50
4253	UCF Layer	10.51	20.00	20.00
2692	UCF Medicated Booster 200	11.79	16.50	17.50
4012	UCF Medicated Booster-200	10.62	16.50	17.50
4443	UCF Medicated Booster NF 200	10.36	16.50	17.00
3821	UCF Milk Replacer	8.01	20.00	22.88
3818	UCF Pig & Hog Feed	11.12	20.00	20.50
3820	UCF Scratch Feed	12.81	9.00	10.25
4257	UCF Sheep Creep Ration	10.77	15.00	17.50
<b>UNITY FEEDS DIVISION, Agway Inc., Syracuse, N. Y.</b>				
4250	Unity Feeds Complete Rabbit Pellets	8.92	16.00	17.00
4247	Unity Feeds Dairy & Fitting Ration	11.50	14.00	14.00
~~~	Indicates deficiencies.			

INSPECTION OF 1964

Fat		Fiber		
Guaran- teed not less than	Found	Guaran- teed not more than	Found	Medicants
3.00	3.54	6.00	3.72	
3.00	5.10	8.00	6.26	
3.50	4.76	8.00	7.60	
3.00	3.76	7.00	6.74	
4.00	6.69	4.50	2.72	
4.00	4.73	4.00	3.22	
4.00	4.33	4.00	3.02	
4.00	5.08	4.00	2.90	
4.00	4.51	4.00	3.21	Zoalene: Guar., 0.0083%; found, 0.0084%.
3.00	4.97	9.00	5.81	
4.00	5.53	5.00	4.05	
4.00	6.31	4.50	3.35	Chlortetracycline hydrochlor- ide: Guar., 0.1 gms/lb; found, 0.095 gms/lb.
4.00	5.88	4.50	3.10	Chlortetracycline hydrochlor- ide: Guar., 0.1 gms/lb; found, 0.102 gms/lb.
4.00	5.94	4.50	3.58	Furazolidone: Guar., 0.0220%; found, 0.0213%.
2.00	2.04	2.00	1.16	
3.00	4.16	7.00	4.04	
3.00	3.15	7.00	4.15	
2.50	3.75	12.00	8.55	
2.00	5.17	16.00	7.45	
3.50	5.13	9.00	6.89	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaranteed not less than	Found
3814	Unity Feeds Growing & Laying Mash	10.41	20.00	20.00
4251	Unity Feeds High Energy Breeder Mash	10.19	16.00	16.00
4252	Unity Feeds High Energy Growing Mash	10.71	15.00	16.50
3807	Unity Feeds High Energy Laying Mash	10.70	15.00	15.25
4248	Unity Feeds 16% Milkets	11.80	16.00	18.25
3802	Unity Feeds Pig & Hog Ration	11.79	17.00	17.25
3803	Unity Feeds Scratch Feed	12.51	9.00	10.25
4208	Unity Feeds Super Starter Medicated	12.10	20.00	20.00
4398	Unity Feeds Trim Med.	10.94	15.50	16.25
4399	Unity Feeds Trim (Nicarbazin) Medicated	10.16	15.50	15.50
4211	Unity Feeds Turkey & Game Bird Growing Mash Med.	11.64	20.00	20.75
3804	Unity Improved Calf Ration	11.19	20.00	20.50
UNIVERSAL GRAIN CO. of N.J., Newark, N.J.				
4062	Superior Cow Brand Brewers Dried Grains	12.22	26.00	32.00
WILLIAM S. WARREN & SON, Eastford, Conn.				
3702	Calf Milk Replacer	6.03	28.00	29.50
3706	Warren Complete Growing	10.12	....	15.00
3699	Warren's Complete Laying Mash	10.07	15.00	16.00
<u>~~~~~</u> Indicates deficiencies.				

INSPECTION OF 1964

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	4.26	6.00	5.05	
3.00	5.26	4.00	3.46	
3.50	4.87	4.00	3.95	
4.00	4.68	4.00	3.95	
3.50	5.29	9.00	5.84	
3.00	4.49	6.00	7.86	
2.50	4.06	5.00	3.86	
3.00	4.79	4.00	2.92	Nicarbazin: Guar., 0.010%; found, 0.0102%.
3.00	4.43	6.00	4.16	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0043%.
3.00	6.83	6.00	3.98	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0046%. Nicarbazin: Guar., 0.010%; found, 0.0140%.
3.00	4.61	5.00	3.45	Sulfaquinoxaline: Guar., 0.0150%; not determined.
3.50	4.77	6.00	4.90	
6.00	<u>4.62</u>	17.00	11.16	
10.00	11.24	3.00	2.34	
....	4.06	....	7.22	
3.00	4.57	6.00	<u>7.53</u>	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaran-teed not less than	Found
3703	Warren's 16 Dairy Ration	10.38	16.00	17.25
4240	Warren's 16 Dairy Ration Pellets	10.81	16.00	16.50
4241	Warren's Fitting Ration	12.00	14.00	14.25
4239	Warren's Horse Feed	13.79	10.00	10.25
3705	Warren's 16% Test Ration	11.41	16.00	16.75
 H. K. WEBSTER CO., Lawrence, Mass. 				
4378	Blue Seal C-4 Broiler Med.	11.04	23.00	23.00
3876	Blue Seal Calf Starter	11.47	19.00	19.75
3576	Blue Seal Coarse 14 Fitting Ration	13.35	14.00	14.75
3574	Blue Seal Coarse 16 Test Cow Ration	12.12	16.00	16.00
3903	Blue Seal Coarse 20 Test Cow Ration	11.62	20.00	21.00
3900	Blue Seal Complete Horse Ration	12.02	12.50	13.25
4383	Blue Seal Chick Starter Med.	11.01	20.00	20.50
4308	Blue Seal "30" Dairy Concentrate	11.57	30.00	33.25
3878	Blue Seal 16% Dairy Mix	11.66	16.00	16.75
3856	Blue Seal Egg Mash	9.86	20.00	20.25
3901	Blue Seal Fat & Finish Ration	11.76	18.00	19.00
3799	Blue Seal Grower-Cal	11.16	16.00	17.00
4377	Blue Seal Grower-Cal ZL Medicated	11.93	16.00	17.50
4382	Blue Seal Grow-Ettes ZL Medicated	11.48	15.00	15.50
3573	Blue Seal Horse Feed	12.96	10.00	13.25
3554	Blue Seal Layer-Cal	11.56	16.00	16.00
3797	Blue Seal Lay-Ettes	10.65	15.50	16.25
4448	Blue Seal Medicated NF-HI-Mix	10.86	16.00	17.25
4011	Blue Seal Medicated Ruminaid	11.10	14.00	16.25

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Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                                                                         |
|-------------------------------------|-------|-------------------------------------|-------|-----------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                   |
| 3.00                                | 3.81  | 9.00                                | 8.49  |                                                                                   |
| 2.50                                | 4.07  | 11.00                               | 9.75  |                                                                                   |
| 3.00                                | 4.59  | 11.00                               | 7.56  |                                                                                   |
| 3.00                                | 3.71  | 6.00                                | 4.88  |                                                                                   |
| 2.50                                | 3.36  | 9.00                                | 8.05  |                                                                                   |
|                                     |       |                                     |       | Zoalene: Guar., 0.0125%;<br>found, 0.0121%.                                       |
| 6.50                                | 6.88  | 3.00                                | 3.47  |                                                                                   |
| 3.00                                | 3.87  | 8.00                                | 6.65  |                                                                                   |
| 3.50                                | 3.61  | 8.00                                | 7.38  |                                                                                   |
| 3.50                                | 3.88  | 8.00                                | 7.52  |                                                                                   |
| 3.50                                | 4.02  | 8.00                                | 7.14  |                                                                                   |
| 2.50                                | 3.33  | 15.00                               | 13.63 |                                                                                   |
| 3.50                                | 4.19  | 4.50                                | 4.49  | Zoalene: Guar., 0.0125%;<br>found, 0.0105%.                                       |
| 2.00                                | 2.54  | 11.00                               | 9.99  |                                                                                   |
| 3.00                                | 3.53  | 12.00                               | 11.60 |                                                                                   |
| 3.50                                | 4.84  | 3.50                                | 4.31  |                                                                                   |
| 4.50                                | 4.69  | 3.50                                | 3.84  |                                                                                   |
| 4.00                                | 4.24  | 3.50                                | 3.21  |                                                                                   |
| 4.00                                | 4.67  | 3.50                                | 3.24  | Zoalene: Guar., 0.0083%;<br>found, 0.0097%.                                       |
| 3.00                                | 5.09  | 5.50                                | 5.00  | Zoalene: Guar., 0.0083%;<br>found, 0.0067%.                                       |
| 3.00                                | 3.91  | 9.00                                | 6.99  |                                                                                   |
| 4.00                                | 4.46  | 3.50                                | 3.35  |                                                                                   |
| 3.50                                | 4.29  | 4.50                                | 4.66  |                                                                                   |
| 4.00                                | 5.12  | 3.50                                | 3.42  | Furazolidone: Guar., 0.0220%;<br>found, 0.0205%.                                  |
| 3.50                                | 4.14  | 9.00                                | 7.89  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gms/lb.;<br>found, 0.092 gms/lb. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                    | Mois-ture | Protein<br>(N x 6.25)    |       |
|-------------|-------------------------------------------|-----------|--------------------------|-------|
|             |                                           |           | Guaranteed not less than | Found |
| 3796        | Blue Seal Milk Replacer                   | 4.64      | 24.00                    | 25.75 |
| 3877        | Blue Seal Milkers 16 Pellets              | 11.22     | 16.00                    | 17.25 |
| 3772        | Blue Seal Milkers 20 Pellets              | 10.79     | 20.00                    | 20.00 |
| 3773        | Blue Seal 16% Nuggets                     | 10.93     | 16.00                    | 17.25 |
| 3944        | Blue Seal Pig Feed Medicated              | 11.89     | 16.00                    | 18.25 |
| 3575        | Blue Seal Rabbit Pellets                  | 10.97     | 20.00                    | 20.50 |
| 3774        | Blue Seal Standard 16 Dairy Ration        | 11.89     | 16.00                    | 16.25 |
| 4238        | Blue Seal Standard 20 Dairy Ration        | 11.47     | 20.00                    | 20.88 |
| 3858        | Blue Seal Standard "14" Fitting Ration    | 11.51     | 14.00                    | 14.25 |
| 4057        | Blue Seal Succulent Feed & Calving Ration | 12.08     | 13.00                    | 14.25 |
| 3553        | Blue Seal Sweet Pulp                      | 12.67     | 9.00                     | 9.25  |
| 3875        | Blue Seal Tasty Meal                      | 10.30     | 24.00                    | 24.75 |
| 3798        | Blue Seal Turkey Growing                  | 10.32     | 20.00                    | 20.50 |
| 4402        | Blue Seal Turkey Growing HS Medicated     | 10.35     | 20.00                    | 20.75 |
| 4309        | "CCC" 16% Dairy Ration                    | 13.17     | 16.00                    | 16.75 |
| 4310        | Custom Mix "CCC" Hay Extender             | 12.82     | ....                     | 10.00 |

WEST-NESBITT, INC.,  
Oneonta, N.Y.

|      |                                   |       |       |       |
|------|-----------------------------------|-------|-------|-------|
| 4360 | "Beets-All" Horse Feed            | 11.50 | 10.00 | 12.75 |
| 3628 | Cream-Line Dairy Test Ration      | 11.93 | 18.00 | 18.50 |
| 3781 | Pure Feed Complete Layer          | 10.22 | 17.00 | 17.00 |
| 3626 | Pure Feed Complete Rabbit Pellets | 11.21 | 16.00 | 16.75 |
| 3779 | Pure Feed 16% Dairy Pellets       | 10.61 | 16.00 | 17.25 |
| 3627 | Pure Feed Egg & Breeder           | 10.71 | 22.00 | 22.25 |
| 4359 | Pure Feed Egg Maker               | 9.92  | 20.00 | 18.75 |
| 4358 | Pure Feed 14% Fitting Ration      | 13.64 | 14.00 | 14.00 |
| 3778 | Pure Feed Grower                  | 10.86 | 18.00 | 18.25 |
| 3625 | Pure Feed Horse Ration            | 12.52 | 9.00  | 11.25 |
| 3777 | Pure Feed Sweet "16"              | 11.65 | 16.00 | 16.25 |
| 3780 | Pure Feed Swine Ration            | 10.11 | 16.00 | 16.25 |
| 3629 | West-Nesbit Milk Replacer         | 5.25  | 21.00 | 21.50 |

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Indicates deficiencies.

INSPECTION OF 1964

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|---|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| | | | | |
| 10.00 | 9.76 | 1.00 | 0.68 | |
| 3.50 | 3.87 | 8.00 | 7.94 | |
| 3.50 | 4.44 | 8.00 | 7.81 | |
| 3.50 | 4.50 | 12.00 | 10.66 | |
| 4.00 | 4.24 | 6.00 | 5.64 | Arsanilic acid: Guar.,
0.010%; found, 0.0108%. |
| 3.00 | 3.67 | 12.00 | 11.45 | |
| 3.50 | 4.04 | 8.50 | 8.09 | |
| 3.00 | 3.86 | 8.00 | 6.71 | |
| 3.50 | 5.03 | 9.00 | 7.20 | |
| 2.50 | 3.09 | 12.00 | 10.84 | |
| 2.00 | 3.27 | 5.00 | 5.58 | |
| 6.00 | 6.31 | 4.00 | 2.92 | |
| 4.50 | 4.75 | 4.00 | 4.07 | P-Ureidobenzeneearsonic acid |
| 4.50 | 5.29 | 4.00 | 3.96 | Guar., 0.0375%; found, |
| 3.00 | 4.31 | 5.00 | 4.78 | 0.0391%. |
| .... | 3.78 | .... | 5.60 | |
| 2.50 | 3.66 | 12.00 | 8.19 | |
| 3.50 | 3.69 | 8.00 | 6.31 | |
| 3.00 | 5.10 | 4.50 | 3.60 | |
| 3.00 | 4.26 | 14.00 | 10.50 | |
| 3.75 | 4.17 | 8.00 | 7.03 | |
| 3.00 | 4.41 | 6.00 | 4.41 | |
| 3.00 | 4.01 | 6.50 | 4.52 | |
| 3.50 | 3.75 | 7.00 | 5.37 | |
| 3.00 | 5.51 | 5.00 | 4.43 | |
| 3.00 | 3.23 | 10.00 | 6.48 | |
| 3.50 | 4.09 | 9.00 | 7.58 | |
| 4.00 | 4.44 | 8.00 | 6.56 | |
| 8.50 | 8.91 | 0.50 | 0.27 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-ture | Protein
(N x 6.25) | |
|--|--|-----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| WHITMOYER LABORATORIES
INC., Myerstown, Penn. | | | | |
| 3672 | Flav-A-Dee | 7.88 | 38.00 | 43.50 |
| THE GEO. WIEDEMANN
BREWING CO., Newport,
Ky. | | | | |
| 3543 | Brewers Dried Grains | 8.96 | 24.00 | 32.50 |
| THE WILLIAMS BROS. CO.,
Kent, Ohio | | | | |
| 3668 | Pure Ohio Wheat Bran | 12.15 | 13.00 | 14.00 |
| WILSON'S CORN PRODUCTS,
INC., Rochester, Ind. | | | | |
| 3769 | Wilson Hominy Feed | 11.86 | 9.50 | 10.75 |
| WINTER GARDEN CITRUS
PRODUCTS COOPERATIVE,
Winter Garden, Fla. | | | | |
| 4298 | Wholesun Dried Citrus Pulp | 10.66 | 6.00 | 6.00 |
| WIRTHMORE FEEDS, INC.,
Waltham, Mass. | | | | |
| 3690 | Big Y Veal Formula | 4.39 | 20.00 | 20.50 |
| 4361 | Emergency 16% Dairy Feed
524 T | 11.89 | 16.00 | 20.00 |
| 4363 | Emergency 12% Forage Ex-
tender Dairy Feed Con-
taining (529 T) 70% Corn
(Meal) | 12.00 | 12.00 | 14.75 |
| 4307 | Ground Corn & Ground Oats
Mix 50 - 50 | 12.09 | | 11.75 |

~~~~~ Indicates deficiencies.

## INSPECTION OF 1964

| Guaran-   | Fat          | Guaran-   | Fiber | Medicants |
|-----------|--------------|-----------|-------|-----------|
| teeed not | Found        | teeed not | Found |           |
| less      |              | more      |       |           |
| than      |              | than      | Found |           |
| 8.00      | 10.84        | 5.00      | 4.21  |           |
| 5.00      | 7.46         | 15.00     | 11.46 |           |
| 3.00      | 3.81         | 12.00     | 9.38  |           |
| 6.50      | 6.77         | 6.00      | 5.15  |           |
| 2.50      | 4.72         | 16.00     | 12.76 |           |
| 20.00     | <u>17.86</u> | 0.25      | 0.24  |           |
| 4.00      | 4.04         | 9.00      | 7.42  |           |
| 4.00      | 4.44         | 9.00      | 5.66  |           |
| ....      | 4.94         | ....      | 7.32  |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                     | Mois-ture | Protein<br>(N x 6.25)    |       |
|-------------|------------------------------------------------------------|-----------|--------------------------|-------|
|             |                                                            |           | Guaranteed not less than | Found |
| 4026        | Hominy Feed                                                | 10.01     | 10.00                    | 11.50 |
| 3692        | O. P. M. Scratch 467 T                                     | 12.62     | 9.00                     | 9.25  |
| 4365        | Yellow Corn Meal Ground Oats                               | 13.67     | 8.00                     | 10.25 |
| 3795        | Wirthmore Baby Chick Scratch 463 A                         | 13.61     | 9.00                     | 9.75  |
| 3623        | Wirthmore Calf Starter 572 A                               | 10.96     | 20.00                    | 21.75 |
| 3731        | Wirthmore Chick Starter 101 A                              | 10.68     | 20.00                    | 21.25 |
| 3942        | Wirthmore Chick Starter Medicated 103 A                    | 11.93     | 20.00                    | 20.75 |
| 4304        | Wirthmore Coarse Test Dairy Feed 518 A                     | 12.09     | 16.00                    | 16.50 |
| 3598        | Wirthmore Complete Growing Ration 205 A                    | 11.50     | 15.00                    | 15.00 |
| 4110        | Wirthmore Complete Growing Ration 206 A Medicated          | 9.99      | 15.00                    | 16.00 |
| 3857        | Wirthmore Complete Turkey Fattening Ration 361 A (Pellets) | 11.51     | 14.00                    | 15.00 |
| 4406        | Wirthmore Complete Turkey Fattening Ration Med. 362 A      | 11.66     | 14.00                    | 16.25 |
| 4400        | Wirthmore Complete Turkey Growing Ration 342 A Medicated   | 11.51     | 18.00                    | 20.00 |
| 3976        | Wirthmore Fodder Greens 581 A                              | 12.18     | 10.00                    | 12.25 |
| 3728        | Wirthmore Grow & Egg Mash 245 A                            | 8.69      | 20.00                    | 20.50 |
| 4101        | Wirthmore Hi-Cal Broiler Finisher 147 A Medicated          | 10.89     | 22.50                    | 23.75 |
| 4104        | Wirthmore Hi-Cal Broiler Starter 124 A Medicated           | 11.79     | 24.00                    | 26.00 |
| 4027        | Wirthmore 14 Hi-Cal Pellets Dairy Feed 531 A               | 10.88     | 14.00                    | 15.75 |

~~~ Indicates deficiencies.

INSPECTION OF 1964

| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 5.00 | 5.85 | 6.00 | 4.62 | |
| 3.00 | 3.46 | 5.00 | 2.42 | |
| 3.00 | 5.71 | 3.00 | <u>4.70</u> | |
| 2.50 | 2.78 | 4.00 | 1.66 | |
| 4.00 | 4.18 | 5.00 | 4.45 | |
| 4.00 | 4.87 | 5.00 | 4.09 | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0170%. |
| 4.00 | 4.64 | 5.00 | 4.42 | |
| 4.00 | 4.56 | 8.00 | 6.68 | |
| 3.00 | 3.66 | 6.00 | 5.11 | Sulfaquinoxaline: Guar., 0.0125%; found, 0.0141%. |
| 3.00 | 4.23 | 6.00 | 4.63 | |
| 3.00 | 4.33 | 4.00 | 3.59 | 4-Nitrophenylarsonic acid: Guar., 0.0250%; found, 0.0260%. |
| 3.00 | 4.41 | 4.00 | 3.45 | |
| 3.00 | 4.06 | 5.00 | 3.76 | 4-Nitrophenylarsonic acid: Guar., 0.0250%; found, 0.0262%. |
| 2.00 | 2.84 | 18.00 | 12.68 | |
| 4.00 | 5.00 | 4.50 | 4.01 | Amprolium: Guar., 0.0125%; found, 0.0150%. Ethopabate: Guar., 0.0004%; found, 0.00035%. |
| 7.00 | 7.04 | 3.00 | 2.84 | |
| 7.00 | <u>6.49</u> | 3.00 | 2.83 | Amprolium: Guar., 0.0125%; found, 0.0142%. Ethopabate: Guar., 0.0004%; found, 0.00035%. |
| 3.50 | 4.14 | 8.50 | 7.18 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station
No. | Manufacturer and brand | Mois-
ture | Protein
(N x 6.25) | | Found |
|----------------|---|---------------|-------------------------------------|--------------|-------|
| | | | Guaran-
teed not
less
than | | |
| 4030 | Wirthmore 16 Test Dairy Feed
514 A | 11.30 | 16.00 | 16.00 | |
| 3727 | Wirthmore 16 Hi-Cal Pellets
Dairy Feed 532 A | 9.61 | 16.00 | 16.00 | |
| 3793 | Wirthmore 18 Hi-Cal Pellets
Dairy Feed 533 A | 10.25 | 18.00 | <u>17.20</u> | |
| 4103 | Wirthmore Hi-Cal Roaster
Finisher 178 A Medicated | 10.97 | 18.50 | 20.75 | |
| 3599 | Wirthmore Hi-Ener-G 16
220 A | 9.67 | 16.00 | 16.00 | |
| 3741 | Wirthmore Hi-Ener-G 16
Layer Medicated (231 A) | 11.38 | 16.00 | 16.50 | |
| 3729 | Wirthmore Hi-Ener-G 17
237 A | 9.86 | 17.00 | 17.88 | |
| 4112 | Wirthmore Hi-Energy 17
Layer Medicated | 8.39 | 17.00 | 17.50 | |
| 4102 | Wirthmore Hi-Ener-G Broiler
Ration 141 A Medicated | 11.36 | 22.00 | 25.50 | |
| 4362 | Wirthmore Hog Grower 722 A | 12.65 | 14.00 | 16.25 | |
| 3500 | Wirthmore Horse Feed 811 A | 14.60 | 10.00 | 11.25 | |
| 3975 | Wirthmore Horse Perkies
817 A | 10.73 | 15.00 | 19.25 | |
| 3860 | Wirthmore Meatless Mink
Food 842 A | 8.53 | 12.00 | 14.75 | |
| 4456 | Wirthmore Medicated Ketrol
576 A | 14.11 | 16.00 | 18.00 | |
| 4018 | Wirthmore Medicated Quickies
423 A | 12.06 | 16.00 | 17.25 | |
| 4016 | Wirthmore Medicated Quick
Perk 412 A | 11.14 | 20.00 | 20.25 | |
| 4444 | Wirthmore Medicated Turk-
E-Perk 314 A | 10.91 | 30.00 | 30.00 | |

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Indicates deficiencies.

## INSPECTION OF 1964

| Fat                                 |       | Fiber                               |       | Medicants                                                                                                |
|-------------------------------------|-------|-------------------------------------|-------|----------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                          |
| 4.00                                | 4.42  | 8.50                                | 6.12  |                                                                                                          |
| 3.50                                | 4.01  | 8.50                                | 8.13  |                                                                                                          |
| 3.50                                | 4.77  | 8.50                                | 8.73  |                                                                                                          |
| 5.00                                | 6.09  | 3.50                                | 3.40  | Amprolium: Guar., 0.0125%;<br>found, 0.0122%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00033%.         |
| 4.00                                | 6.91  | 4.00                                | 3.99  | Arsanilic acid: Guar.,<br>0.008%; found, 0.0074%.                                                        |
| 4.00                                | 5.29  | 4.00                                | 3.18  |                                                                                                          |
| 4.00                                | 5.71  | 4.00                                | 3.14  |                                                                                                          |
| 4.00                                | 4.92  | 3.50                                | 3.29  | Sodium arsanilate: Guar.,<br>0.0088%; found, 0.0093%.                                                    |
| 5.50                                | 5.79  | 3.50                                | 3.41  | Amprolium: Guar., 0.0125%;<br>found, 0.0142%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00042%.         |
| 3.50                                | 5.04  | 6.00                                | 4.25  |                                                                                                          |
| 3.00                                | 3.56  | 9.00                                | 5.51  |                                                                                                          |
| 3.00                                | 5.22  | 7.00                                | 6.54  |                                                                                                          |
| 5.00                                | 4.86  | 5.00                                | 4.00  |                                                                                                          |
| 3.00                                | 4.71  | 6.00                                | 6.24  |                                                                                                          |
| 4.00                                | 5.08  | 4.50                                | 3.51  | Oxytetracycline hydrochlor-<br>ide: Guar., 0.1 gms/lb.;<br>found, 0.102 gms/lb.                          |
| 5.00                                | 6.24  | 4.00                                | 3.56  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gms/lb.;<br>found, 0.106 gms/lb.                        |
| 4.00                                | 5.49  | 4.00                                | 3.26  | Furazolidone: Guar., 0.011%;<br>found, 0.010%. Sulfaquinox-<br>aline: Guar., 0.0175%;<br>found, 0.0174%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                           | Mois-ture | Protein<br>(N x 6.25)     |       |
|-------------|--------------------------------------------------|-----------|---------------------------|-------|
|             |                                                  |           | Guaran-teed not less than | Found |
| 4306        | Wirthmore Milk Mizer 571 A                       | 8.19      | 25.00                     | 26.50 |
| 3859        | Wirthmore New Hope Complete Horse Feed 813 A     | 11.71     | 12.50                     | 13.50 |
| 3977        | Wirthmore Original New Hope Horse Feed 518 A     | 12.74     | 12.50                     | 14.25 |
| 4299        | Wirthmore 14 Pro-Cal Dairy Feed 536 A            | 12.10     | 14.00                     | 17.50 |
| 3624        | Wirthmore Pro-Cal Dairy Feed 538 A               | 12.27     | 16.00                     | 18.50 |
| 3794        | Wirthmore Rabbit Pellets 831 A                   | 9.91      | 15.00                     | 17.50 |
| 4442        | Wirthmore Rabbit Pellets 832 A Medicated         | 10.17     | 15.00                     | 15.50 |
| 3584        | Wirthmore 16 Record Dairy Feed 512 A             | 12.60     | 16.00                     | 17.75 |
| 3730        | Wirthmore 20 Record Dairy Feed 519 A             | 10.73     | 20.00                     | 21.00 |
| 3501        | Wirthmore 14 Record Fitting & Calving Feed 516 A | 13.20     | 14.00                     | 15.50 |
| 3600        | Wirthmore Scratch 461 A                          | 13.42     | 9.00                      | 9.50  |
| 4028        | Wirthmore Stable Mate Complete Horse Feed 816 A  | 9.04      | 12.50                     | 10.25 |
| 3502        | Wirthmore Stock Primer 616 A                     | 13.33     | 14.00                     | 15.75 |
| 3974        | Wirthmore Super Pellets 411 A                    | 10.81     | 23.00                     | 23.00 |
| 3792        | Wirthmore Turkey Growing Ration 321 A            | 11.50     | 23.00                     | 23.50 |
| 4391        | Wirthmore Turkey Growing Ration 323 A Medicated  | 11.66     | 23.00                     | 24.50 |
| 3949        | Wirthmore Turkey Starter A 315 A Medicated       | 10.59     | 28.00                     | 29.50 |
| 4302        | Wirthmore Twin-Mix Calf Feed 573 A               | 12.69     | 18.00                     | 18.50 |
| 4025        | Wirthmore 16 Ultra-Cal Pellets Dairy Feed 537 A  | 10.33     | 16.00                     | 16.00 |

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Indicates deficiencies.

INSPECTION OF 1964

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
10.00	10.29	1.50	1.18	
2.00	2.59	12.00	8.55	
3.00	3.24	6.00	4.66	
3.00	3.96	12.00	9.83	
3.00	3.16	12.00	10.20	
2.50	3.52	15.00	13.50	
2.50	3.39	15.00	13.57	Furazolidone: Guar., 0.0055%; found, 0.0055%. Sulfaquinoxaline: Guar., 0.0125%; found, 0.0132%.
3.50	3.61	9.00	7.89	
3.50	3.78	9.00	7.50	
3.50	3.98	9.00	7.39	
2.50	2.71	4.00	3.16	
2.00	2.14	20.00	18.51	
3.00	3.86	8.50	6.95	
3.50	4.54	5.00	4.06	
3.50	4.16	5.00	4.32	
3.50	4.06	5.00	4.12	4-Nitrophenylarsonic acid: Guar., 0.0250%; found, 0.0264%.
4.00	5.77	4.50	3.88	Amprolium: Guar., 0.0125%; found, 0.0130%.
3.00	3.13	6.00	5.40	
5.00	4.84	6.00	6.31	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois-ture	Protein (N x 6.25)	
			Guaran-teed not less than	Found
THE YANTIC GRAIN & PRODUCTS CO., Norwich, Conn.				
2695	Big (Y) Chlortetracycline (Aureomycin) Mixture (100 Gram)	12.37	15.00	15.75
2694	Big (Y) Chlortetracycline (Aureomycin) Mixture (200 Gram)	11.76	15.00	18.00
4303	Big (Y) 20% Dairy Ration (Pellets)	10.87	20.00	20.00
3622	Big (Y) Dairy Ration Purity 16	12.76	16.00	18.50

INSPECTION OF 1964

Fat		Fiber		Medicants
Guaran-	Guaran-	Guaran-		
teed not	teed not	teed not		
less	more	more		
than	than	than	Found	Found
3.50	5.63	5.00	3.91	Chlortetracycline hydrochloride: Guar., 0.05 gms/lb.; found, 0.031 gms/lb.
3.50	5.37	5.00	4.30	Chlortetracycline hydrochloride: Guar., 0.1 gms/lb.; found, 0.080 gms/lb.
3.00	4.16	9.00	6.54	
3.00	3.12	9.00	7.69	

TABLE 2. VITAMIN CARRIERS

Station No.	Manufacturer and brand	Place, date of sampling and control number
	AMERICAN CYANAMID CO., Princeton, N.J.	
1672	Aureomycin Crumbles (Chlortetraacycline)	Norwich, 1/20, None
	COMMERCIAL SOLVENTS CORP., New York, N.Y.	
3460	Perma-Mix CCC No. 1	Manchester, 8/28, 5254-3
3461	Perma-Mix CCC No. 2	Manchester, 8/28, 5255
3462	Perma-Mix CCC No. 3	Manchester, 8/28, 5242
3463	Perma-Mix CCC No. 4 Broilers	Manchester, 8/28, 5265
3465	Perma-Mix Turkey Premix No. 5	Manchester, 8/28, 5211
3464	Perma-Mix Turkey Premix No. 6	Manchester, 8/28, 5191
	PEDER DEVOLD OIL CO., Div. Chas. L. Huisking & Co., Inc., New York, N.Y.	
1669	Peder Devold Cod Liver Oil N.F.	Norwalk, 1/17, TO 703
3466	Peder Devold Cod Liver Oil N.F.	Norwalk, 9/2, TO 683
	DREW CHEMICAL CORP., Boonton, N.J.	
1668	Vitan Dry "3000"	Shelton, 1/17, 3763
2062	Vitan Dry "3000"	Shelton, 3/17, None
3459	Vitan Dry "3000"	Shelton, 8/27, None
	RAY EWING CO., Pasadena, Calif.	
2073	All Mash Pre Mix	Jewett City, 3/20, None
	MARINE PRODUCTS CO., Boston, Mass.	
3484	Finest Veterinary Cod Liver Oil	Fitchville, 9/15, 3188
1673	Veterinary Cod Liver Oil	Norwich, 1/20, 2703

TABLE 2. VITAMIN CARRIERS

Vitamin D chick units/lb.	Pantothenic Acid mg/lb.	Niacin mg/lb.	Riboflavin mg/lb.				
Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
16,000	OK						
900	OK						
300,000	Pass						
300,000	Pass						
300,000	OK						
600,000	OK						
600,000	OK						
33,750	OK						
33,750	OK						
1,362,000	OK						
1,362,000	OK						
1,362,000	OK						
544,800	OK	2,000	1,860	8,000	8,187	800	828
136,077	OK						
136,077	OK						

TABLE 2. VITAMIN CARRIERS

Station No.	Manufacturer and brand	Place, date of sampling and control number
	MERCK CHEMICAL DIV., Merck & Co., Inc., Rahway, N.J.	
1671	Improved Premix Medicated	Norwich, 1/20, 17-1493-3-2
2069	Improved Premix Medicated	Norwich, 3/20, M-137-4-1
	MYZON LABORATORIES, Kansas City, Kansas	
2070	Myzon Poultry Builder	Norwich, 3/20, None
	NOPCO CHEMICAL CO., Newark, N.J.	
1675	Nopco-Pak Hi-Lay Premix	Norwich, 1/20, None
2071	Nopco-Pak Super Premix	Norwich, 3/20, None
1670	Nopdex "3000"	Norwich, 1/20, None
2068	Nopdex "3000"	Norwich, 3/20, None
	CHAS. PFIZER & CO., INC., New York, N.Y.	
1674	Yantic High Lay Premix	Norwich, 1/20, None
2072	Yantic High Lay Premix	Norwich, 3/20, None
	STABILIZED VITAMINS DIV., Commercial Solvents Corp., Garfield, N.J.	
1663	Perma-Mix CCC No. 1	Manchester, 1/16, 50643
2064	Perma-Mix CCC No. 1	Manchester, 3/18, 50781
1666	Perma-Mix CCC No. 2	Manchester, 1/16, 5065
2065	Perma-Mix CCC No. 2	Manchester, 3/18, 5105
1664	Perma-Mix CCC No. 3	Manchester, 1/16, 5068
2066	Perma-Mix CCC No. 3	Manchester, 3/18, 5114
1665	Perma-Mix CCC No. 4	Manchester, 1/16, 5016
2067	Perma-Mix CCC No. 4 Broilers	Manchester, 3/18, 5103

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Indicates deficiencies.

TABLE 2. VITAMIN CARRIERS

| Vitamin D<br>chick units/lb. | Pantothenic<br>Acid<br>mg/lb. |        | Niacin<br>mg/lb. |        | Riboflavin<br>mg/lb. |        |            |
|------------------------------|-------------------------------|--------|------------------|--------|----------------------|--------|------------|
|                              | Guar.                         | Found  | Guar.            | Found  | Guar.                | Found  | Guar. | Found |
| 85, 125                      | OK                            | 460    | 388              | 3, 750 | 3, 259               | 500    | 446        |
| 85, 125                      | OK                            | 460    | 552              | 3, 750 | 3, 967               | 500    | 514        |
| 164, 000                     | OK                            | 160    | 164              | 640    | 726                  | 160    | 173        |
| 544, 800                     | ---                           | 1, 472 | 1, 298           | 8, 000 | 8, 125               | 800    | 895        |
| 170, 250                     | OK                            | 920    | 1, 060           | 7, 500 | 7, 692               | 1, 000 | 1, 009     |
| 1, 361, 000                  | OK                            |        |                  |        |                      |        |            |
| 1, 361, 000                  | OK                            |        |                  |        |                      |        |            |
| 544, 900                     | Low                           | 1, 472 | 1, 375           | 8, 000 | 8, 878               | 800    | 749        |
| 544, 900                     | Pass                          | 1, 472 | 1, 669           | 8, 000 | <u>10, 340</u>       | 800    | 738        |
| 297, 500                     | OK                            | 900    | 936              | 7, 950 | 7, 317               | 600    | 715        |
| 297, 500                     | OK                            | 900    | 907              | 7, 950 | 8, 386               | 600    | 544        |
| 153, 150                     | OK                            | 1, 380 | 1, 361           | 7, 500 | 7, 992               | 375    | 425        |
| 153, 150                     | OK                            | 1, 380 | 1, 474           | 7, 500 | 8, 734               | 375    | 385        |
| 214, 650                     | OK                            | 1, 104 | 1, 021           | 6, 750 | 7, 537               | 975    | 906        |
| 214, 650                     | OK                            | 1, 104 | 991              | 6, 750 | 7, 422               | 975    | 963        |
| 216, 000                     | OK                            | 1, 104 | 1, 059           | 5, 400 | 4, 875               | 900    | 1, 248     |
| 216, 000                     | --                            | 1, 104 | 1, 276           | 5, 400 | 5, 721               | 900    | <u>957</u> |

TABLE 2. VITAMIN CARRIERS

| Station No.                                       | Manufacturer and brand                     | Place, date of sampling and control number                       |
|---------------------------------------------------|--------------------------------------------|------------------------------------------------------------------|
| WHITMOYER LABORATORIES,<br>INC., Myerstown, Penn. |                                            |                                                                  |
| 1667                                              | Derby All-Purpose Premix                   | Derby, 1/17, 120263                                              |
| 3458                                              | Derby All-Purpose Premix                   | Derby, 8-27, 0821401                                             |
| 2063                                              | Flav-A-Dee                                 | Bridgeport, 3/17, None                                           |
| 3467                                              | Flav-A-Dee                                 | Bridgeport, 9/11,<br>0828401                                     |
| WIRTHMORE FEEDS, INC.,<br>Waltham, Mass.          |                                            |                                                                  |
| 1025 ¹                                 | Wirthmore Horse Perkies Pellets<br>817 A   | Bloomfield, 11/26,<br>J221624, J221625&<br>J221626               |
| 3971 ²                                 | Wirthmore Horse Perkies 817 A              | Danbury, 11/9, S488802,<br>S488804, S488807,<br>S488808, S488809 |
| 3970                                              | Wirthmore Original New Horse<br>Feed 815 A | Danbury, 11/3, V662072,<br>V662101, V662258,<br>V662487, V666501 |

¹Folic acid, mg/lb: Guar., 1; found, 0.82. Thiamine, mg/lb:  
Guar., 50; found, 55.8.

²Folic acid, mg/lb: Guar., 1; found, 0.99. Thiamine, mg/lb:  
Guar., 50; found, 61.6.

Vitamin B₁₂, mg/lb: Guar., 10; found, 0.00.

~~~ Indicates deficiencies.

TABLE 2. VITAMIN CARRIERS

| | | Pantothenic | | | | | |
|------------------------------|----------------|-------------|-------------|------------------|-------------|----------------------|-------------|
| Vitamin D
chick units/lb. | Acid
mg/lb. | | | Niacin
mg/lb. | | Riboflavin
mg/lb. | |
| Guar. | Found | Guar. | Found | Guar. | Found | Guar. | Found |
| 136, 200 | OK | 920 | 700 | 4, 000 | 3, 373 | 400 | 423 |
| 136, 200 | OK | 920 | --- | 4, 000 | --- | 400 | --- |
| 54, 480 | OK | 100 | 116 | 700 | 786 | 100 | 96.3 |
| 54, 480 | OK | 100 | --- | 700 | --- | 100 | --- |
| | | | | | | | |
| 10, 000 | -- | 40 | <u>27.1</u> | 50 | <u>64.6</u> | 40 | 38.0 |
| | | | | | | | |
| 10, 000 | -- | 40 | <u>51.1</u> | 50 | <u>74.3</u> | 40 | 48.2 |
| | | | | | | | |
| 1, 000 | -- | 5 | <u>12.9</u> | 5 | <u>44.8</u> | 8 | <u>11.7</u> |

